



## Coal Combustion Residual Surface Impoundment Permitting Program

### Application Form CCR 2E:

#### Initial Operating Permit for Existing or Inactive CCR Surface Impoundments

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).

#### FORM CCR 2E – GENERAL INSTRUCTIONS

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##### Who must complete form CCR 2E?

The owner or operator of an existing or inactive Coal Combustion Residual (CCR) surface impoundment who has not completed an Agency-approved closure prior to July 30, 2021 must submit an initial operating permit to the Agency by October 31, 2021.

#### FORM CCR 2E – LINE-BY-LINE INSTRUCTIONS

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##### Section 1: Construction History (35 Ill. Adm. Code 845.220 AND 35 Ill. Adm. Code 845.230)

**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: Analysis of Chemical Constituents (35 Ill. Adm. Code 845.230(d)(2)(B))**

**Item 2.1** Check each box to acknowledge each analysis has been included with the application submittal.

## **Section 3: Demonstrations and Certifications (35 Ill. Adm. Code 845.230(d)(2)(D))**

Check the box to indicate whether a demonstration, or an explanation has been attached for each of the selections.

## **Section 4: Attachments**

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

## **Section 5: Groundwater Monitoring**

Check the box next to the Groundwater monitoring submission requirement to acknowledge they have been included within the application submittal.

## **Section 6: Certifications**

Check the corresponding boxes to indicate you have attached each of the required certifications.



**Illinois Environmental Protection Agency**  
**CCR Surface Impoundment Permit Application**  
**Form CCR 2E – Initial Operating Permit for Existing or Inactive CCR Surface**  
**Impoundments That Have Not Completed an**  
**Agency-approved Closure Prior To July 30, 2021**

**Bureau of Land ID Number:**

For IEPA Use Only

**CCR Permit Log Number:**

**Facility Name:**

**SECTION 1: CONSTRUCTION HISTORY (35 Ill. Adm. Code 845.220 AND 35 Ill. Adm. Code 845.230)**

<b>Construction History</b>	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	Description of 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.

<b>Construction History</b>	1.7	List name of the watershed within which the CCR surface impoundment is located.		
	1.8	Size in acres of the watershed within which the CCR surface impoundment is located.		
	1.9	Check the corresponding box to indicate that you have attached the following:		
			Description of the physical and engineering properties of the foundation and abutment materials on which the CCR surface impoundment is constructed.	
			Description of the type, size, range, and physical and engineering properties of the materials used in constructing each zone or stage of the CCR surface impoundment.	
			Describe the method of site preparation and construction of each zone of the CCR surface impoundment.	
			A listing of the approximate dates of construction of each successive stage of construction of the CCR surface impoundment.	
			Drawing satisfying the requirements of 35 Ill. Adm. Code 845.220(a)(1)(F).	
			Description of the type, purpose, and location of existing instrumentation.	
			Area capacity curves for the CCR Impoundment.	
		Description of each spillway and diversion design features and capacities and provide the calculations used in their determination.		
	Construction specifications and provisions for surveillance, maintenance, and repair of the CCR surface impoundment.			
1.10.1	Is there any record or knowledge of structural instability of the CCR surface impoundment?			
	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.10.2	If you answered yes to Item 1.10.1, provide detailed explanation of the structural instability.			
<b>SECTION 2: ANALYSIS OF CHEMICAL CONSTITUENTS (35 Ill. Adm. Code 845.230(d)(2)(B))</b>				
<b>Constituents</b>	2.1	Check the corresponding boxes to indicate you have attached the following:		
		<input type="checkbox"/>	An analysis of the chemical constituents found within the CCR to be placed in the CCR surface impoundment.	
		<input type="checkbox"/>	An analysis of the chemical constituents of all waste streams, chemical additives and sorbent materials entering or contained in the CCR surface impoundment.	

**SECTION 3: DEMONSTRATIONS AND CERTIFICATIONS (35 Ill. Adm. Code 845.230(d)(2)(D))**

<b>Demonstrations</b>	3.1	Indicate whether you have attached a demonstration that the CCR surface impoundment, as built, meets, or an explanation of how the CCR surface impoundments fails to meet, the location standards in the following sections:			
		35 Ill. Adm. Code 845.300 (Placement Above the Uppermost Aquifer)		Demonstration	Explanation
		35 Ill. Adm. Code 845.310 (Wetlands)		Demonstration	Explanation
		35 Ill. Adm. Code 845.320 (Fault Areas)		Demonstration	Explanation
		35 Ill. Adm. Code 845.330 (Seismic Impact Zones)		Demonstration	Explanation
		35 Ill. Adm. Code 845.340 (Unstable Areas and Floodplains)		Demonstration	Explanation

**SECTION 4: ATTACHMENTS**

<b>Attachments</b>	4.1	Check the corresponding boxes to indicate that you have attached the following:		
		Evidence that the permanent markers required by 35 Ill. Adm. Code 845.130 have been installed.		
		Documentation that the CCR surface impoundment, if not incised, will be operated and maintained with one of the forms of slope protection specified in 35 Ill. Adm. Code 845.430.		
		Initial Emergency Action Plan and accompanying certification required by 35 Ill. Adm. Code 845.520(e).		
		Fugitive dust control plan and accompanying certification required by 35 Ill. Adm. Code 845.500(b)(7).		
		Preliminary written closure plan as specified in 35 Ill. Adm. Code 845.720(a).		
		Initial written post-closure care plan as specified in 35 Ill. Adm. Code 845.780(d), if applicable.		
		A certification as specified in 35 Ill. Adm. Code 845.400(h), or a statement that the CCR surface impoundment does not have a liner than meets the requirements of 35 Ill. Adm. Code 845.400(b) or (c).		
		History of known exceedances of the groundwater protection standards in 35 Ill. Adm. Code 845.600, and any corrective action taken to remediate the groundwater.		
		Safety and health plan, as required by 35 Ill. Adm. Code 845.530.		
	For CCR surface impoundments required to close under 35 Ill. Adm. Code 845.700, the proposed closure priority categorization required by 35 Ill. Adm. Code 845.700(g).			

**SECTION 5: GROUNDWATER MONITORING**

<b>Groundwater</b>	5.1	Check the corresponding boxes to indicate you have attached the following groundwater monitoring information:	
		A hydrogeologic site characterization meeting the requirements of 35 Ill. Adm. Code 845.620.	
		Design and construction plans of a groundwater monitoring system meeting the requirements of 35 Ill. Adm. Code 845.630.	

<b>Groundwater</b>		A groundwater sampling and analysis program that includes section of the statistical procedures to be used for evaluating groundwater monitoring data, required by 35 Ill. Adm. Code 845.640.
		Proposed groundwater monitoring program that includes a minimum of eight independent samples for each background and downgradient well, required by 35 Ill. Adm. Code 845.650(b).

**SECTION 6: CERTIFICATIONS**

<b>Certifications</b>	6.1	Check the corresponding boxes to indicate you have attached the following certifications:	
		<input type="checkbox"/>	A certification that the owner or operator meets the financial assurance requirements of Subpart I, as required by 35 Ill. Adm. Code 845.230(d)(2)(N).
		<input type="checkbox"/>	Hazard potential classification assessment and accompanying certifications required by 35 Ill. Adm. Code 845.440(a)(2).
		<input type="checkbox"/>	Structural stability assessment and accompanying certification, required by 35 Ill. Adm. Code 845.450(c).
		<input type="checkbox"/>	Safety factor assessment and accompanying certification, as required by 35 Ill. Adm. Code 845.460(b).
		<input type="checkbox"/>	Inflow design flood control system plan and accompanying certification, as required by 35 Ill. Adm. Code 845.510(c)(3).