

IL CCR 2OE Section 1.9 Attachments

Hutsonville Pond A

* Note that only the checked boxes on IEPA Form CCR 2OE Section 1.9 are described in the below points. Ameren believes that the unchecked boxes of Section 1.9 do not apply to this closed inactive surface impoundment

- ***A description of the physical and engineering properties of the foundation and abutment materials on which the CCR surface impoundment is constructed.***

Based on information from the Site subsurface investigations summarized above, and published reports, the geology of the Site consists primarily of Wisconsinan Stage fluvial deposits with some Illinoian Stage diamictons overlying Pennsylvanian bedrock. There are various fill materials along with three surficial (unlithified) units identified at the Site (oldest to youngest): silty/clayey diamictons of the Glasford Formation, poorly sorted, outwash sands and gravels of the Henry Formation, and fine-grained fluvial deposits classified as Cahokia Alluvium (Willman et al., 1975; Hansel & Johnson, 1996; Fafalios & Hensel, 1999). Bedrock at the Site is composed of Pennsylvanian Age rock of the Missourian Series Mattoon Formation of the McLeansboro Group. Two lithologies are present at the Site. To the west, the upper bedrock is composed of sandstone of the Merom Sandstone Member (Willman et al., 1975). Closer to the Wabash River, there is a well incised bedrock valley [depths to bedrock vary from 10-15 feet belowground surface (ft. bgs) in the uplands on the western parts of the Site to over 90 ft. bgs in the southeast corner of the Site (Fafalios & Hensel, 1999)]. In the bedrock valley (below elevation 405 ft.), post-glacial erosion has exposed the lithified silts and clays of an undifferentiated shale† of the Mattoon Formation.

- ***A statement of the approximate dates of construction of each successive stage of construction of the CCR surface impoundment***

Ash Pond A was operational from 1986 until the plant ceased generation in December 2011 for disposal of CCWs generated at the Site.

- ***The construction specifications and provisions for surveillance, maintenance and repair of the CCR surface impoundment***

Inspection of the facility will be conducted on a quarterly basis for a minimum period of 5 years after closure. After 5 years, the inspection will be made semiannually as long as the assessment will not be compromised due to the reduced frequency and that a request to monitor the groundwater monitoring system semiannually is approved. After 5 additional years of semiannual monitoring, the inspection will be made annually pending approval of an annual groundwater monitoring schedule. Discontinuance of the site inspections will occur after Illinois Environmental Protection Agency approval of the certified Post Closure Care Report. Written record of the inspection(s) will be made and retained at the facility or the site operator's office. The inspector will assess the condition and need for repair of final cover and vegetation, as well as fencing, monitoring points, and surface water control features.

IL CCR 2OE Section 2 Attachments Hutsonville Pond A

Section 2.1

- *Evidence that the permanent markers required by 35 Ill. Adm Code 845.130 have been installed*



IL CCR 2OE Section 2 Attachments Hutsonville Pond A

- ***Documentation demonstrating 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***

See Hutsonville Closure Plan, Section 3 attached

- ***Emergency Action Plan and accompanying certification required by 35 Ill. Adm. Code 845.520(e)***

See Hutsonville A Emergency Action Plan attached

- ***Written post-closure care plan, if applicable***

See Hutsonville A Post Closure Care Plan attached

- ***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***

See 2020 Hutsonville Pond A Annual Groundwater Monitoring Report

*Note that no corrective actions have been necessary to remediate groundwater at Hutsonville

IL CCR 2OE Section 3 Attachments Hutsonville Pond A

- ***A hydrogeologic site characterization meeting the requirements of 35 Ill. Adm. Code 845.620***

See attached Hutsonville Pond A Hydrogeologic Site Investigation

- ***Design and construction plans of a groundwater monitoring system meeting the requirements of 35 Ill. Adm. Code 845.630***

See attached Hutsonville Pond A Groundwater Monitoring Plan

- ***A groundwater sampling and analysis program that includes section of the statistical procedures to be used for evaluating groundwater monitoring data***

See attached Hutsonville Pond A Groundwater Monitoring Plan

- ***Proposed groundwater monitoring program that includes a minimum of eight independent for each background and downgradient well***

See attached Hutsonville Pond A Groundwater Monitoring Plan