CLOSURE PLAN FOR EXISTING CCR SURFACE IMPOUNDMENT

REV 0 - 11/18/2015
40 CFR 257.102 (b)

SITE INFORMATION

Site Name / Address
Wood River Power Station / 1 Chesson Lane, Alton, IL 62002

Owner Name / Address
Dynegy Midwest Generation, LLC/ 1500 Eastport Plaza Drive, Collinsville, IL 62234

CCR Unit
West Ash Pond 2W

Reason for Initiating Closure
Known final receipt of waste

Final Cover Type
Clayey Soil Cover

CLOSURE PLAN DESCRIPTION

(6)(1)(b) - Narrative description of how the CCR unit will be closed in accordance with this section.

West Ash Pond 2W will be dewatered to facilitate closure and closed in-place. The final cover will be sloped to prevent drainage and the stormwater runoff will be discharged through the existing NPDES permitted outfall. Closure operations will involve: (i) remove dry CCR from Pond 1 at the site for placement as fill in West Ash Pond 2W; (ii) regrade/place fill to create acceptable grades for closure; and (iii) install final cover. In accordance with 257.102(b)(3), this initial written closure plan will be amended to provide additional details after the final engineering design for the grading and cover system is completed. This initial closure plan reflects the best information available to date.

(6)(b)(1) - If closure of the CCR unit will be accomplished by leasing CCR in place, a description of the final cover system and methods and procedures used to install the final cover.

The final cover system will be installed in direct contact with graded CCR or to achieve final subgrade elevations and will include: from bottom up: 1) 18" of compacted earthen material with a permeability of less than or equal to the permeability of the natural subsols present in the site or no greater than 1x10^-5 cm/sec, whichever is less [infiltration layer]; 2) 6" of soil capable of sustaining native plant growth (erosion layer); and 3) planted with native grasses. The final cover will have a minimum slope of 2% and will be graded to convey stormwater runoff to discharge through the existing NPDES permitted outfall.

(6)(b)(2) - The design of the final cover system must be included in the written closure plan.

The permeability of the final cover will be equal to or less than the permeability of the natural subsols present or a permeability no greater than 1x10^-5 cm/sec, whichever is less, and will be graded with a minimum 2% slope.

INVENTORY AND AREA ESTIMATES

(6)(d)(4) - Estimate of the maximum inventory of CCR ever on-site over the active life of the CCR unit

400,000 cubic yards

(6)(d)(5) - Estimate of the largest area of the CCR unit ever requiring a final cover

19 acres

CLOSURE SCHEDULE

(6)(f)(1) - Schedule for completing all activities necessary to satisfy the closure criteria in this section, including an estimate of the year in which all closure activities for the CCR unit will be completed. This schedule should provide sufficient information to describe the sequential steps that will be taken to close the CCR unit, including major milestones, and the estimated timeframes to complete each step or phase of CCR unit closure.

The milestone and the associated timeframes are initial estimates. Some of the activities associated with the milestones will overlap. Amendments to the milestones and timeframes will be made as more information becomes available.

Written Closure Plan and Notification of Intent to Close Placed in Operating Record
By November 18, 2015

Agency coordination and permit acquisition
Coordinating with state agencies to ensure compliance
Acquiring state permits
2020 (estimated)
2017 (estimated)

Mobilization
2018 (estimated)

Removal plant process water pipes and dewater and stabilize CCR
Complete dewatering
Complete stabilization of CCR
2018 (estimated)
2018 (estimated)

Grading
Grading of CCR material in pond to facilitate surface water drainage
2019 (estimated)

Installation of final cover
2020 (estimated)

Certification by qualified professional engineer appended to this plan.
Certification Statement 40 CFR § 257.102 (b)(4) – Initial Written Closure Plan for a CCR Surface Impoundment or Landfill

CCR Unit: Dynegy Midwest Generation, LLC; Wood River Power Station; Wood River West Ash Pond 2W

I, Stefanie A. Voss, being a Registered Professional Engineer in good standing in the State of Illinois, do hereby certify, to the best of my knowledge, information, and belief that the information contained in this certification has been prepared in accordance with the accepted practice of engineering. I certify, for the above referenced CCR Unit, that the information contained in the initial written closure plan, dated November 18, 2015, meets the requirements of 40 CFR § 257.102.

Stefanie A. Voss
Printed Name

11-18-2015
Date
Certification Statement 40 CFR § 257.102 (d)(3)(iii) – Design of the Final Cover System for a CCR Surface Impoundment or Landfill

CCR Unit: Dynegy Midwest Generation, LLC; Wood River Power Station; Wood River West Ash Pond 2W

I, Stefanie A. Voss, being a Registered Professional Engineer in good standing in the State of Illinois, do hereby certify, to the best of my knowledge, information, and belief that the information contained in this certification has been prepared in accordance with the accepted practice of engineering. I certify, for the above referenced CCR Unit, that the design of the final cover system as included in the initial written closure plan, dated November 18, 2015, currently prepared meets the requirements of 40 CFR § 257.102.

______________________________
Printed Name

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Date

[密封章]