CLOSURE PLAN FOR EXISTING CCR SURFACE IMPOUNDMENT PER SECTION 257.102

SITE INFORMATION

Site Name / Address  
Owner Name / Address

Reason for Initiating Closure

SITE INFORMATION

CLOSURE PLAN DESCRIPTION

(b)(1)(i) Narrative description of the CCR unit

(b)(1)(ii) Estimate of the largest area of the CCR unit ever requiring a final cover

(b)(1)(iii) If closure of the CCR unit will be completed by

(b)(1)(iv) If closure of the CCR unit will be completed by

(b)(2)(i) Free liquids must be eliminated by removing liquid wastes or filling to achieve final subgrade elevations

(b)(2)(ii) Remaining wastes must be stabilized sufficiently to support the final cover system

(b)(3) A final cover system must be installed to minimize infiltration and erosion, and at minimum, meets the requirements of (b)(3)(i)

(b)(3)(i) The permeability of the final cover system must be less than or equal to the permeability of the natural subsoils present or a permeability no greater than 1x10^-5 cm/sec, whichever is less.

(b)(3)(ii) The permeability of the final cover system must be less than or equal to the permeability of any bottom liner system or natural subsoil present, or a permeability no greater than 1x10^-5 cm/sec, whichever is less.

(b)(3)(iii) The infiltration of liquids through the closed CCR unit must be minimized by the use of an infiltration layer that contains a minimum of 6 inches of earthen material that is capable of sustaining native plant growth.

(b)(3)(iv) The erosion of the final cover system must be minimized by the use of an erosion layer that contains a minimum of six inches of earthen material with a permeability of 1x10^-5 cm/sec, whichever is less.

(b)(3)(v) The final cover will be vegetated to minimize erosion and maintenance.

CLOSURE SCHEDULE

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

(d)(2) Free liquids must be eliminated by removing liquid wastes or filling to achieve final subgrade elevations.

(d)(3) A final cover system must be installed to minimize infiltration and erosion, and at minimum, meets the requirements of (b)(3)(i).

(d)(4) Final slope of the berms and ditches prior to discharge through the existing NPDES permitted outfall.

INVENTORY AND AREA ESTIMATES

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CLOSURE PLAN DESCRIPTION

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Certification Statement 40 CFR § 257.102 (b)(4) – Initial Written Closure Plan for a CCR Surface Impoundment or Landfill

CCR Unit: Illinois Power Generating Company; Coffeen Power Station; Coffeen Ash Pond No. 2

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, November 18, 2015, meets the requirements of 40 CFR § 257.102.

Printed Name

Date

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

CCR Unit: Illinois Power Generating Company; Coffeen Power Station; Coffeen Ash Pond No. 2

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.

Stefanie A. Voss
Printed Name

11-18-15
Date