CLOSURE PLAN FOR EXISTING CCR SURFACE IMPOUNDMENT 40 CFR 257.102(b) REV 0 – 10/17/2016

SITE INFORMATION						
Site Name / Address	Miami Fort Power Station / 11021 Brower Road, North Bend, OH 45052					
Operator Name / Address	Dynegy Miami Fort, LLC / 1500 Eastport Plaza Drive, Collinsville, IL 62234					
CCR Unit	Basin B	Closure Method and Final Cover Type	Close In-Place Clayey Soil Cover with Vegetation			
CLOSURE PLAN DESCRIPTION	CLOSURE PLAN DESCRIPTION					
(b)(1)(i) – Narrative description of how the CCR unit will be closed in accordance with this section.	Basin B will be dewatered, as necessary, to facilitate closure by leaving CCR in place. The CCR in Basin B will be shaped and graded. The existing transmission towers located at the east and south embankments of Basin B will remain and the foundations will be incorporated within the final cover system. The final cover will be sloped to promote drainage and stormwater runoff will be conveyed through a series of drainage channels on the cover system to an existing spillway near the southeast corner of Basin B. Existing inlet piping for Basin B will be removed from service. 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, if the final design would substantially affect this written closure plan. This initial closure plan reflects the information available to date.					
(b)(1)(iii) – If closure of the CCR unit will be accomplished by leaving CCR in place, a description of the final cover system and methods and procedures used to install the final cover.	The soils for the final cover system will be placed directly on top of the graded CCR material to achieve final grades 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					
(b)(1)(iii) – How the final cover system	will achieve the performan	ce standards in 257.102(d).				
(d)(1)(i) Control, minimize or eliminate, to the maximum extent feasible, post-closure infiltration of liquids into the waste and releases of CCR, leachate, or contaminated run-off to the ground or surface waters or to the atmosphere.		of CCR, ers or to greater tha Therefore, t will not be g	bility of the final cover will be equal to or the permeability of the natural subsoils ow the CCR material or permeability no an 1×10^{-5} cm/sec, whichever is less. the permeability of the final cover system greater than 1×10^{-5} cm/sec. The final cover be graded with a minimum 2% slope.			
(d)(1)(ii) – Preclude the probability of future impoundment of water, sediment, or slurry.			ver will be installed with a minimum 2% inage channels will be installed with a 5% slope.			
(d)(1)(iii) – Include measures that provide for major slope stability to prevent the sloughing or movement of the final cover system during the closure and post-closure care period.		drainage ch Drainage ch mats where erosion. The meet the st	over will have a minimum 2% slope and hannels will have minimum 0.5% slope. hannels will be lined with turf reinforced e required to reduce the potential for e final slope of the berms and cover will ability requirements to prevent sloughing nt of the final cover system.			
(d)(1)(iv) – Minimize the need for further maintenance of the CCR unit.		unit. The final co and mainter	ver will be vegetated to minimize erosion nance.			
(d)(1)(v) – Be completed in the shortest amount of time consistent with		ent with Closure is es	timated to be completed no later than five			

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D(2)() – Free liquids must be eliminated by removing liquid wastes or clickfying the remaining wastes and waste residue. The unit will be dewatered sufficiently, as necessary, to remove the free liquids to provide a stable base for the construction of the final cover system. D(2)(i) – Remaining wastes must be stabilized sufficiently to support the nal cover system. Dewatering as necessary and regrading of existing inplace CCR will sufficiently stabilize the waste such that the final cover system must be installed to minimize infiltration and the supported. D(2)(i) – Afinal cover system must be installed to minimize infiltration and rosion, and at minimum, meets the requirements of (d)(3)(). The final cover will consist of a minimum 18" earthen material layer of no less than 6" of earthen material capable of sustaining native plant strud ⁵ cm/sec. Erosion will be minimized with a soil layer of no less than 6" of earthen material capable of sustaining native plant strud ⁵ cm/sec. Frosion will be minimized with a soil layer of no less than 6" of earthen material capable of sustaining native plant. The design of the final cover system will be not set surface will be seeded and vegetated. D(3)(i) – The design of the final cover system must be included in the virtten closure plan. When the design of the final cover system will be east than 1x10 ⁵ cm/sec. Will be qual to or less than the permeability of the final cover system will be advective plan. The design of the final cover system will be design on the final cover system will be not greater than 1x10 ⁵ cm/sec. Wilchever is less. Therefore, the permeability of the final cover system will be not greater than 1x10 ⁵ cm/sec. Wilchever is less. Therefore, the permeability of the final cover system will be not lacudes through the closed CCR wit mass. Therefore, the permeabil	CLOSURE PLAN DESCRIPTION				
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NVENTORY AND AREA ESTIMATES	e minimized through a design that accommodates settling and slope and will incorporate calculated settlement				
	INVENTORY AND AREA ESTIMATES				
p)(1)(iv) – Estimate of the maximum inventory of CCR ever on-site over the active life of the CCR unit 1,360,000 cubic yard					

(h)(1)(y) = Estimate of the largest area of the CCR unit ever requiring a final cover	
(b)(1)(v) – Estimate of the largest area of the CCR unit ever requiring a final cover	

20 acres

CLOSURE SCHEDULE		
which all closure activities for the CCR unit will be compl	leted. The schedu	losure criteria in this section, including an estimate of the year in le should provide sufficient information to describe the sequential d the estimated timeframes to complete each step or phase of CCR
The milestone and the associated timeframes are initial e. Amendments to the milestones and timeframes will be m		· ·
Written Closure Plan		October 17, 2016
Notification of Intent to Close Placed in Operating Record		No later than the date closure of the CCR unit is initiated. Closure to commence in accordance with the applicable timeframes in 40 CFR 257.102(e).
Agency coordination and permit acquisition Coordinating with state agencies for compliance Acquiring state permits 		Year 1 – 5 (estimated) Year 1 (estimated)
Mobilization		Year 1 (estimated)
Dewater and stabilize CCR Complete dewatering, as necessary Complete stabilization of CCR 		Year 2 (estimated) Year 2 (estimated)
Grading Grading of CCR material in pond to facilitate surface water drainage		Year 2 - 5 (estimated)
Installation of final cover		Year 2 - 5 (estimated)
Estimate of Year in which all closure activities will be com	pleted	Year 5
AMENDMENT AND CERTIFICATION		
(b)(3)(i) – The owner or operator may amend the initial or any subsequent written closure plan developed pursuant to 257.102(b)(1) at any time.	This initial closure plan will be amended as required by 257.102(b)(3) and, as allowed by 257.102(b)(3), may be amended at any time, including as more information becomes available.	
(b)(3)(ii) – The owner or operator must amend the written closure plan whenever: (A) There is a change in the operation of the CCR unit that would substantially affect the written closure plan in effect; or (B) Before or after closure activities have commenced, unanticipated events necessitate a revision of the written closure plan.		
(b)(3)(iii) – The owner or operator must amend the closure plan at least 60 days prior to a planned change in the operation of the facility or CCR unit, or no later than 60 days after an unanticipated event requires the need to revise an existing written closure plan. If a written closure plan is revised after closure activities have commenced for a CCR unit, the owner or operator must amend the current closure plan no later than 30 days following the triggering event.		
(b)(4) – The owner or operator of the CCR unit must obtain a written certification from a qualified professional engineer that the initial and any amendment of the written closure plan meets the requirements of this 40 CFR 257.102.	Certification b this plan.	y a qualified professional engineer will be appended to

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Certification Statement 40 CFR § 257.102 (d)(3)(iii) – Design of the Final Cover System for a CCR Surface Impoundment

CCR Unit: Dynegy Miami Fort, LLC; Miami Fort Power Station; Basin B

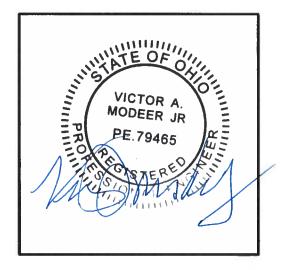
I, Victor Modeer, being a Registered Professional Engineer in good standing in the State of Ohio, do hereby certify, to the best of my knowledge, information, and belief, that the information contained in this certification has been prepared in accordance with the accepted practice of engineering. I certify, for the above referenced CCR Unit, that the design of the final cover system as included in the initial written closure plan, dated October 17, 2016 meets the requirements of 40 CFR § 257.102.

Victor Modeer, PE, D.GE

Printed Name

13/14

Date



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

CCR Unit: Dynegy Miami Fort, LLC; Miami Fort Power Station; Basin B

I, Victor Modeer, being a Registered Professional Engineer in good standing in the State of Ohio, 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 October 17, 2016, meets the requirements of 40 CFR § 257.102.

Victor Modeer, PE, D.GE

Printed Name

0/13/16

Date

