

CAPE FEAR POWER STATION - Moncure, NC

Г

	1985 Pond	1978 Pond	1970 Pond
INFORMATION REQUEST	RESPONSE	RESPONSE	RESPONSE
1. Relative to the National Inventory of Dams criteria for High, Significant, Low, or Less-than-Low, please provide the potential hazard rating for each management unit and indicate who established the rating, what the basis of the rating is, and what federal or state agency regulates the unit(s). If the unit(s) does not have a rating, please note that fact.	Hazard Classification – Significant. A professional engineering firm established the rating based on USCOE guidelines and NCDENR Regulations. The unit is under the purview of the North Carolina Utilities Commission.	Hazard Classification – Significant. A professional engineering firm established the rating based on USCOE guidelines and NCDENR Regulations. The unit is under the purview of the North Carolina Utilities Commission.	Hazard Classification – Low. A professional engineering firm established the rating based on USCOE guidelines and NCDENR Regulations. The unit is under the purview of the North Carolina Utilities Commission.
2. What year was each management unit commissioned and expanded?	Commissioned in 1985. Original design not expanded. Additional storage capacity created within original pond in 2007 by dredging and restacking existing ash.	Commissioned in 1978. No expansion beyond original design.	Commissioned in 1970. No expansion beyond original design. Inactive, with minimal free liquid.

	1985 Pond	1978 Pond	1970 Pond
INFORMATION REQUEST	RESPONSE	RESPONSE	RESPONSE
3. What materials are temporarily or	Fly ash, bottom ash, boiler	Fly Ash, bottom Ash, boiler	Fly Ash, Bottom Ash,
permanently contained in the unit? Use the	slag, ash sluice water. Other	- Slag, Other – Categorical	Boiler Slag, Other -
following categories to respond to this	Categorical low volume	low volume wastewater,	Unsure, possibly categorica
question: (1) fly ash; (2) bottom ash; (3)	wastewater, domestic	Coal Pile Runoff, Storm	low volume wastewater.
boiler slag; (4) flue gas emission control	wastewater, and storm	Water	
residuals; (5) other. If the management unit	water.		
contains more than one type of material,			
please identify all that apply. Also, if you			
identify "other," please specify the other			
types of materials that are temporarily or			
permanently contained in the unit(s).			
		•	
4. Was the management unit(s) designed by a	The unit was designed by a	The unit was designed by a	The unit was designed by a
Professional Engineer? Is or was the	professional engineer. The	professional engineer. The	professional engineer. The
construction of the waste management unit(s)	construction was under the	construction was under the	construction was under the
under the supervision of a Professional	supervision of a	supervision of a	supervision of a
Engineer? Is inspection and monitoring of	professional engineer.	professional engineer.	professional engineer.
the safety of the waste management unit(s)	Some inspections are under	Some inspections are under	Some inspections are under
under the supervision of a Professional	the supervision of a	the supervision of a	the supervision of a
Engineer?	professional engineer, some	professional engineer, some	professional engineer, some
	are not. See response to	are not. See response to	are not. See response to
•	item 5. below.	item 5. below.	item 5. below.
		•	
		w I	

	1985 Pond	1978 Pond	1970 Pond
INFORMATION REQUEST	RESPONSE	RESPONSE	RESPONSE
5. When did the company last assess or	Weekly inspections that	Weekly inspections that	No routine inspections are
evaluate the safety (i.e., structural integrity)	include visual inspections	include visual inspections	performed on this pond.
of the management unit(s)? Briefly describe	and data gathering to detect	and data gathering to detect	
the credentials of those conducting the	any problems at an early	any problems at an early	
structural integrity assessments/evaluations.	stage of development are	stage of development are	
Identify actions taken or planned by facility	conducted by plant	conducted by plant	
personnel as a result of these assessments or	personnel. Attached is a	personnel. Attached is a	
evaluations. If corrective actions were taken,	copy of the most recent	copy of the most recent	
briefly describe the credentials of those	inspection report available.	inspection report available.	
performing the corrective actions, whether	Actions taken or planned:	Actions taken or planned:	
they were company employees or contractors.	None taken or planned.	None taken or planned.	
If the company plans an assessment or			
evaluation in the future, when is it expected			

	1985 Pond	1978 Pond	1970 Pond
INFORMATION REQUEST	RESPONSE	RESPONSE	RESPONSE
	Annual inspections are	Annual inspections are	Annual inspections are
	conducted by a third-party	conducted by a third-party	conducted by a third-party
	professional engineering	professional engineering	professional engineering
	contractor. The engineering	contractor. The engineering	contractor. The engineering
	firms that conduct the	firms that conduct the	firms that conduct the
	inspections have expertise	inspections have expertise	inspections have expertise
	in geotechnical and civil	in geotechnical and civil	in geotechnical and civil
	engineering. Attached is the	engineering. Attached is	engineering. Attached is
	most recent annual	the most recent annual	the most recent annual
	inspection report. Actions	inspection report. Actions	inspection report. Actions
	taken or planned: There are	taken or planned: Cut	taken or planned: None
	localized small vertical	scattered trees on exterior	taken or planned
	erosion holes in south dike	slope and lower portions	-
	over broad area that needs	not reached by mower.	
	to be monitored. Appears to	Repair two areas observed	
	be little change. Slope	with significant interior	
	protection is acceptable.	slope slumps/erosion with	
	Continue to maintain	rip rap. No significant	
	vegetation control program.	change oberved for seepage	
	Monitor for beaching	collected in	
	erosion.	drainpipe at toe of slope	
		near cooling towers.	
		Beaching erosion and	
		possible animal burrows	
		observed on interior slopes	

consistant with past

	1985 Pond	1978 Pond	1970 Pond
INFORMATION REQUEST	RESPONSE	RESPONSE	RESPONSE
	Comprehensive five-year	Comprehensive five-year	Comprehensive five-year
	inspections are conducted	inspections are conducted	inspections are conducted
	by a third-party professional	by a third-party professional	by a third-party professional
	engineering contractor. The	engineering contractor. The	engineering contractor. The
	engineering firms that	engineering firms that	engineering firms that
	conduct the inspections	conduct the inspections	conduct the inspections
	have expertise in	have expertise in	have expertise in
	geotechnical and civil	geotechnical and civil	geotechnical and civil
	engineering Attached is the	engineering Attached is the	engineering Attached is the
	most recent comprehensive	most recent comprehensive	most recent comprehensive
	inspection dated 2006.	inspection dated 2006.	inspection dated 2006.
	Actions Taken or planned:	Actions taken or planned:	Actions taken or planned:
	Trees in rip rap on interior	Cut scattered trees on	None taken or planned.
	slopes should be cut.	exterior slope and lower	
	Maintain general vegetation	portions not reached by	
	control. Erosion holes on	mower. Repair two areas	
	west dike should be filled	observed with significant	• • • • • • • • • • • • • • • • • • •
	with gravel and capped with	interior slope	
	clay.	slumps/erosion with rip rap.	
		·	

DOCUMENT EPA ARCHIVE S

1985 Pond	1978 Pond	1970 Pond
RESPONSE	RESPONSE	RESPONSE
The North Carolina Utilities	The North Carolina Utilities	The North Carolina Utilities
Commission requires a five	Commission requires a five	Commission requires a five
year inspection report. We	year inspection report. We	year inspection report. We
are not aware of any recent	are not aware of any recent	are not aware of any recent
or upcoming inspections by	or upcoming inspections by	or upcoming inspections by
state or federal officials.	state or federal officials.	state or federal officials.
Refer to the five year report	Refer to the five year report	Refer to the five year report
submitted in response to	submitted in response to	submitted in response to
item 5 above for the most	item 5 above for the most	item 5 above for the most
recent official report.	recent official report.	recent official report.
	-	
There have been no inspections conducted by state or federal official that evaluated the structural integrity other than a visual observation by a NPDES inspector. There have been no follow-up actions.	There have been no inspections conducted by state or federal official that evaluated the structural integrity other than a visual observation by a NPDES inspector. There have been no follow-up actions.	There have been no inspections conducted by state or federal official that evaluated the structural integrity other than a visual observation by a NPDES inspector. There have been no follow-up actions.
	1985 Pond RESPONSE The North Carolina Utilities Commission requires a five year inspection report. We are not aware of any recent or upcoming inspections by state or federal officials. Refer to the five year report submitted in response to item 5 above for the most recent official report. There have been no inspections conducted by state or federal official that evaluated the structural integrity other than a visual observation by a NPDES inspector. There have been no follow-up actions.	1985 Pond RESPONSE1978 Pond RESPONSEThe North Carolina Utilities Commission requires a five year inspection report. We are not aware of any recent or upcoming inspections by state or federal officials. Refer to the five year report submitted in response to item 5 above for the most recent official report.The North Carolina Utilities Commission requires a five year inspection report. We are not aware of any recent or upcoming inspections by state or federal officials. Refer to the five year report submitted in response to item 5 above for the most recent official report.Refer to the five year report submitted in response to item 5 above for the most recent official report.There have been no inspections conducted by state or federal official that evaluated the structural integrity other than a visual observation by a NPDES inspector. There have been no follow-up actions.There have been no inspections conducted by state or federal official that evaluated the structural integrity other than a visual observation by a NPDES

## Progress Energy C. Fear Power Station

	INFORMATION REQUEST	<b>1985 Pond</b> RESPONSE	1978 Pond RESPONSE	1970 Pond RESPONSE
	8. What is the surface area (acres) and total	The surface area is	The surface area is	The surface area is
-	storage capacity of each of the management	approximately 65 acres.	approximately 43 acres.	approximately 50 acres.
-	units? What is the volume of materials	The total storage capacity is	The total storage capacity is	The total storage capacity is
•••	currently stored in each of the management	approximately 1,764 acre-	approximately 1,161 acre-	unknown. We are unsure
5	unit(s). Please provide the date that the	feet. The volume of	feet. The volume of	of the volume of current
	volume measurement was taken. Please	material currently stored is	material currently stored is	material. The unit has not
	provide the maximum height of the	approximately 1,188 acre-	approximately 864 acre-feet	received ash for decades
O	management unit(s). The basis for	teet and was estimated in	and was estimated in March	and is essentially full with
0	determining maximum height is explained	March 2009 from 2008	2009 from 2008 aerial map.	infile free fiquid.
×	later in this Enclosure.	aerial map. The maximum	fact	
		height is 28 leet.	1001.	
		•		
2				
	9. Please provide a brief history of known	Response - There have been	Response - There have been	Response - There have been
υ	spills or unpermitted releases from the unit	no spills or unpermitted	no spills or unpermitted	no spills or unpermitted
~	within the last ten years, whether or not these	releases.	releases.	releases.
	were reported to State or federal regulatory			
	agencies. For purposes of this question,		• • • • • • • • • • • • • • • • • • •	
-	please include only releases to surface water			
	or to the land (do not include releases to			
-	groundwater).			
24	10. Please identify all current legal owner(s)	Carolina Power& Light	Carolina Power& Light	Carolina Power& Light
	and operator(s) at the facility.	Company d/b/a Progress	Company d/b/a Progress	Company d/b/a Progress
		Energy Carolinas, Inc.	Energy Carolinas, Inc.	Energy Carolinas, Inc.

& Light Progress s, Inc.

Carolina Power& Light Company d/b/a Progress Energy Carolinas, Inc.