

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Asheville Lake Julian Dam, BUNCO-088-High

General Information

Alternate names:

*Status:	IMPOUNDING
*Dam Type:	Earth
Dam Purposes:	Hydroelectric
Year Constructed:	1964
Region:	Asheville Regional Office
*Quadrangle:	Skyland
*Latitude:	35.4765
*Longitude:	-82.5470
River or Stream:	Trib to French Broad River
*River Basin:	French Broad
Nearest City/Town:	Asheville
Distance Downstream:	

Inspection Information

*Last Inspection Date: 03/31/2010
*Type Inspection: Initial
*Inspector(s): McEvoy Boyer Beck Silvis
*Next Routine Inspection: 03/31/2011
Comments:

Details

*Structural Height (ft):	115
Normal Freeboard (ft):	10
*Hydraulic Height (ft):	105
*Crest Length (ft):	1,000
*Crest Width (ft):	24
*Upstream Slope XH:1V:	3
*Downstream Slope:	2.5
*Max Spillway Capacity (cfs):	
*Low Flow Requirement (cfs):	0
*Normal Pool Elevation:	0
*Drainage Area (ac):	3,136
Surface Area (ac):	240
Normal Pool Capacity (ac-ft):	6,000
*Max Pool Capacity (ac-ft):	0
Bottom Drain?	N
Bottom Drain Operable?	

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Interstate 26

Spillways

Primary Spillway

Channel

Bottom Width: 110 Side Slope: 0 Lining: Concrete

Owner

Progress Energy Carolinas, Inc.
Fred Holt

PO Box 1551 PEB 4
Raleigh, NC 27602

919-632-8165

Directions:

I-26 to Long Shoals Road Exit, east on Long Shoals Road .5 miles to CP&L Drive on right. Road crosses dam.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Asheville 1982 Ash Pond Dam, BUNCO-089-High

General Information

Alternate names: CP&L Ash Pond
*Status: IMPOUNDING
*Dam Type: Earth
Dam Purposes: Hydroelectric
Year Constructed: 1982
Region: Asheville Regional Office
*Quadrangle: Skyland
*Latitude: 35.4655
*Longitude: -82.5411
River or Stream: Trib to French Broad River
*River Basin: French Broad
Nearest City/Town: Asheville
Distance Downstream: 7.0

Inspection Information

*Last Inspection Date:
*Type Inspection:
*Inspector(s):
*Next Routine Inspection:
Comments:

Details

*Structural Height (ft): 95
Normal Freeboard (ft): 5
*Hydraulic Height (ft): 90
*Crest Length (ft): 1,500
*Crest Width (ft): 15
*Upstream Slope XH:1V: 2
*Downstream Slope: 2.5
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 2,160
*Drainage Area (ac): 70
Surface Area (ac): 46
Normal Pool Capacity (ac-ft): 1,400
*Max Pool Capacity (ac-ft): 70
Bottom Drain? N
Bottom Drain Operable?

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Interstate 26

Spillways

Primary Spillway

Chute

Chute Type: Other

Lining: Concrete Width: 0

Drop Height: 0

Owner

Progress Energy Carolinas, Inc.
Fred Holt

PO Box 1551 PEB 4
Raleigh, NC 27602

919-632-8165

Directions:

I-26 to Long Shoals Road Exit, east on Long Shoals Road .5 miles to CP&L Drive on right. Cross Lake Julian dam to plant. Check at office to gain access to Ash Pond Dam.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Asheville 1964 Ash Pond Dam, BUNCO-097-High

General Information

Alternate names:

*Status: IMPOUNDING

*Dam Type: Earth

Dam Purposes: Other

Year Constructed: 1964

Region: Asheville Regional Office

*Quadrangle: Skyland

*Latitude: 35.4646

*Longitude: -82.5442

River or Stream: French Broad River

*River Basin: French Broad

Nearest City/Town:

Distance Downstream:

Inspection Information

*Last Inspection Date: 03/31/2010

*Type Inspection: Initial

*Inspector(s): McEvoy Boyer Beck Silvis

*Next Routine Inspection: 03/31/2011

Comments:

Details

*Structural Height (ft):

Normal Freeboard (ft):

*Hydraulic Height (ft):

*Crest Length (ft):

*Crest Width (ft):

*Upstream Slope XH:1V:

*Downstream Slope:

*Max Spillway Capacity (cfs):

*Low Flow Requirement (cfs):

*Normal Pool Elevation:

*Drainage Area (ac):

Surface Area (ac):

Normal Pool Capacity (ac-ft):

*Max Pool Capacity (ac-ft):

Bottom Drain?

Bottom Drain Operable?

Enforcement

NOD

Deadline
Resolved?

DSO

Deadline
Resolved?

EAP?

N
EAP Date

Hazard Information

*Hazard Class High

*Hazard Description I-26

Spillways

Owner

Progress Energy Carolinas, Inc.
Fred Holt

PO Box 1551 PEB 4
Raleigh, NC 27602

919-632-8165

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Marshall Active Ash Basin Dam, CATAW-054-High

General Information

Alternate names:
 *Status: IMPOUNDING
 *Dam Type: Earth
 Dam Purposes: Other
 Year Constructed: 1963
 Region: Mooresville Regional Office
 *Quadrangle: Lake Norman North
 *Latitude: 35.6060
 *Longitude: -80.9602
 River or Stream: Lake Norman
 *River Basin: Catawba
 Nearest City/Town: Mount Holly
 Distance Downstream: 26.0

Inspection Information

*Last Inspection Date: 01/20/2010
 *Type Inspection: Other
 *Inspector(s): ZSK, ASH, WHH, THE, MH
 *Next Routine Inspection: 01/20/2011
 Comments:
 d/s slope shows evidence of repair work @ multiple locations; additional repair work needed to address shallow instability @ two locations.

Details

*Structural Height (ft): 40
 Normal Freeboard (ft): 10
 *Hydraulic Height (ft): 30
 *Crest Length (ft): 2,600
 *Crest Width (ft): 77
 *Upstream Slope XH:1V: 2
 *Downstream Slope: 2
 *Max Spillway Capacity (cfs): 0
 *Low Flow Requirement (cfs): 0
 *Normal Pool Elevation: 789
 *Drainage Area (ac): 0
 Surface Area (ac): 0
 Normal Pool Capacity (ac-ft): 0
 *Max Pool Capacity (ac-ft): 1,605
 Bottom Drain? Y
 Bottom Drain Operable? U

Enforcement

NOD
 Deadline Resolved?
 DSO
 Deadline Resolved?
 EAP? Y
 EAP Date 11/01/1994

Hazard Information

*Hazard Class High
 *Hazard Description Environmental damage from ash release into Lake Norman; cost of clean up of ash spill; interruption of service at Marshall plant.

Spillways

Primary Spillway	Riser/Barrel	Barrel Type: HDPE lined	Barrel Size: 30
		Riser Type: Cast in Place Concrete	Riser Shape: Square
			Riser Size: 5x5
Emergency Spillway	Channel	Bottom Width: 300	Side Slope: 4
			Lining: Vegetated

Owner	Duke Power Company	Po Box 1007 Charlotte, NC 28201	704-322-3620
Contact	Duke Energy Henry Taylor	POB 1006 Mail Code EC11J Charlotte, NC 28201	704-382-4913
Contact	Duke Energy Dave Renner	8320 East NC Hwy 150 Terrell, NC 28682	704-999-9999
Engineer	S&ME, Inc. Kenneth R Daly	9751 Southern Pine Boulevard Charlotte, NC 28273-5560	704-523-4726

Marshall Active Ash Basin Dam, CATAW-054-High

Emergency: Catawba County Emergency Management
Bryan Blanton

PO Box 389
Newton, NC 28658

828-465-8233

Directions: NC 150 west from Mooresville; plant entrance is on the right approx. 1.25 miles after crossing Lake Norman.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Buckhorn Lake Dam, CHATH-022-Low

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Gravity
*Dam Purposes: Recreation
Year Constructed: 1915
*Region: Raleigh Regional Office
*Quadrangle: Cokesbury
*Latitude: 35.5395
*Longitude: -78.9902
River or Stream: Cape Fear River
*River Basin: Cape Fear
Nearest City/Town: Lillington
Distance Downstream: 15.0

Inspection Information

*Last Inspection Date: 03/31/2010
*Type Inspection: Routine
*Inspector(s): JLH/MN/KP/JI
*Next Routine Inspection: 03/31/2015
Comments:

Details

*Structural Height (ft): 25
Normal Freeboard (ft): 15
*Hydraulic Height (ft): 10
*Crest Length (ft): 1,695
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs): 3,860
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac): 2,048,000
Surface Area (ac):
Normal Pool Capacity (ac-ft): 1,760
*Max Pool Capacity (ac-ft): 2,100
Bottom Drain? U
Bottom Drain Operable? U

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description Unknown

Spillways

Owner	Carolina Power & Light	P. O. Box 1551 Raleigh, NC 27602	999-999-9999
Engineer	Ebasco	Unknown Unknown, NC Unknown	999-999-9999

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Cape Fear 1956 Ash Pond Dam (Inactive), CHATH-075-High

General Information

Alternate names:

*Status: DRAINED

*Dam Type: Earth

Dam Purposes: Other

Year Constructed:

Region: Raleigh Regional Office

*Quadrangle: Moncure

*Latitude: 35.5971

*Longitude: -79.0509

River or Stream: OS-Deep River

*River Basin: Cape Fear

Nearest City/Town:

Distance Downstream:

Inspection Information

*Last Inspection Date: 02/11/2010

*Type Inspection: Initial

*Inspector(s): JLH/MN/KP/JI

*Next Routine Inspection: 02/11/2011

Comments:

Details

*Structural Height (ft):

Normal Freeboard (ft):

*Hydraulic Height (ft):

*Crest Length (ft):

*Crest Width (ft):

*Upstream Slope XH:1V:

*Downstream Slope:

*Max Spillway Capacity (cfs):

*Low Flow Requirement (cfs):

*Normal Pool Elevation:

*Drainage Area (ac):

Surface Area (ac):

Normal Pool Capacity (ac-ft):

*Max Pool Capacity (ac-ft):

Bottom Drain?

Bottom Drain Operable?

Enforcement

NOD

Deadline
Resolved?

DSO

Deadline
Resolved?

EAP?

EAP Date N

Hazard Information

*Hazard Class High

*Hazard Description Waste Material stored
near river.

Spillways

Directions:

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North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Cape Fear 1963 Ash Pond Dam (Inactive), CHATH-076-High

General Information

Alternate names:

*Status: DRAINED

*Dam Type: Earth

Dam Purposes: Other

Year Constructed:

Region: Raleigh Regional Office

*Quadrangle: Moncure

*Latitude: 35.5865

*Longitude: -79.0510

River or Stream: OS-Deep River

*River Basin: Cape Fear

Nearest City/Town:

Distance Downstream:

Inspection Information

*Last Inspection Date: 03/31/2010

*Type Inspection: Initial

*Inspector(s): JLH/MN/KP/JI

*Next Routine Inspection: 03/31/2011

Comments:

Details

*Structural Height (ft):

Normal Freeboard (ft):

*Hydraulic Height (ft):

*Crest Length (ft):

*Crest Width (ft):

*Upstream Slope XH:1V:

*Downstream Slope:

*Max Spillway Capacity (cfs):

*Low Flow Requirement (cfs):

*Normal Pool Elevation:

*Drainage Area (ac):

Surface Area (ac):

Normal Pool Capacity (ac-ft):

*Max Pool Capacity (ac-ft):

Bottom Drain?

Bottom Drain Operable?

Enforcement

NOD

Deadline
Resolved?

DSO

Deadline
Resolved?

EAP?

EAP Date N

Hazard Information

*Hazard Class High

*Hazard Description Waste Material stored
near river.

Spillways

Directions:

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North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Cape Fear 1970 Ash Pond Dam (Inactive), CHATH-077-High

General Information

Alternate names:
*Status: DRAINED
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed:
*Region: Raleigh Regional Office
*Quadrangle: Moncure
*Latitude: 35.5829
*Longitude: -79.0499
*River or Stream: OS-Deep River
*River Basin: Cape Fear
*Nearest City/Town:
Distance Downstream:

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
*Bottom Drain?
Bottom Drain Operable?

Spillways

Inspection Information

*Last Inspection Date: 03/31/2010
*Type Inspection: Initial
*Inspector(s): JLH/MN/KP/JI
*Next Routine Inspection: 03/31/2011
Comments:

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Waste material stored near river.

Directions:

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North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Cape Fear 1978 Ash Pond Dam, CHATH-078-High

General Information

Alternate names:

*Status: IMPOUNDING

*Dam Type: Earth

Dam Purposes: Other

Year Constructed:

Region: Raleigh Regional Office

*Quadrangle: Moncure

*Latitude: 35.5876

*Longitude: -79.0455

River or Stream: OS-Deep River

*River Basin: Cape Fear

Nearest City/Town:

Distance Downstream:

Details

*Structural Height (ft):

Normal Freeboard (ft):

*Hydraulic Height (ft):

*Crest Length (ft):

*Crest Width (ft):

*Upstream Slope XH:1V:

*Downstream Slope:

*Max Spillway Capacity (cfs):

*Low Flow Requirement (cfs):

*Normal Pool Elevation:

*Drainage Area (ac):

Surface Area (ac):

Normal Pool Capacity (ac-ft):

*Max Pool Capacity (ac-ft):

Bottom Drain?

Bottom Drain Operable?

Inspection Information

*Last Inspection Date: 03/31/2010

*Type Inspection: Initial

*Inspector(s): JLH/MN/KP/JI

*Next Routine Inspection: 03/31/2011

Comments:

Enforcement

NOD

Deadline
Resolved?

DSO

Deadline
Resolved?

EAP?

N
EAP Date

Hazard Information

*Hazard Class High

*Hazard Description Waste material stored
near canal to river

Spillways

Directions:

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North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Cape Fear 1985 Ash Pond Dam, CHATH-079-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed:
*Region: Raleigh Regional Office
*Quadrangle: Moncure
*Latitude: 35.5864
*Longitude: -79.0395
*River or Stream: OS-Deep River
*River Basin: Cape Fear
*Nearest City/Town:
Distance Downstream:

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
*Bottom Drain?
Bottom Drain Operable?

Spillways

Inspection Information

*Last Inspection Date: 03/31/2010
*Type Inspection: Follow Up
*Inspector(s): JLH/MN/KP/JI
*Next Routine Inspection: 02/11/2011
Comments:

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description DS road and waste material stored near canal to river

Directions:

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North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Cape Fear Flood Control Dam, CHATH-080-Low

General Information

Alternate names:

*Status: BREACHED

*Dam Type: Earth

Dam Purposes: Flood Control, WQ or SWDP

Year Constructed:

Region: Raleigh Regional Office

*Quadrangle: Moncure

*Latitude: 35.5919

*Longitude: -79.0469

River or Stream: OS-Deep River

*River Basin: Cape Fear

Nearest City/Town:

Distance Downstream:

Details

*Structural Height (ft):

Normal Freeboard (ft):

*Hydraulic Height (ft):

*Crest Length (ft):

*Crest Width (ft):

*Upstream Slope XH:1V:

*Downstream Slope:

*Max Spillway Capacity (cfs):

*Low Flow Requirement (cfs):

*Normal Pool Elevation:

*Drainage Area (ac):

Surface Area (ac):

Normal Pool Capacity (ac-ft):

*Max Pool Capacity (ac-ft):

Bottom Drain?

Bottom Drain Operable?

Inspection Information

*Last Inspection Date: 03/31/2010

*Type Inspection: Follow Up

*Inspector(s): JLH/MN/KP/JI

*Next Routine Inspection: 02/11/2020

Comments:

Gates welded so that dam is permanently breached.

Enforcement

NOD

Deadline
Resolved?

DSO

Deadline
Resolved?

EAP?

EAP Date N

Hazard Information

*Hazard Class Low

*Hazard Description Flood protection for
plant obsolete; flood
gates welded in "open"
condition

Spillways

Directions:

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North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Cliffside Inactive Ash Basin 1-4 Main Dam, CLEVE-047-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1940
*Region: Mooresville Regional Office
*Quadrangle: Chesnee
*Latitude: 35.2186
*Longitude: -81.7561
*River or Stream: Broad River - OS
*River Basin: Broad
*Nearest City/Town:
Distance Downstream:

Inspection Information

*Last Inspection Date: 06/29/2010
*Type Inspection: Follow Up
*Inspector(s): ASH, RK
*Next Routine Inspection: 02/23/2011
Comments:
Inspection of d/s slope; trees <6-in. dia and other debris have been removed from dam slope. Vegetation established where tree cover will allow. Damaged areas along riverbank have been repaired.

Details

*Structural Height (ft): 38
Normal Freeboard (ft): 38
*Hydraulic Height (ft): 0
*Crest Length (ft): 1,480
*Crest Width (ft): 15
*Upstream Slope XH:1V: 2.5
*Downstream Slope: 2
*Max Spillway Capacity (cfs): 0
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 0
*Drainage Area (ac): 0
Surface Area (ac): 0
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 0
*Bottom Drain?
Bottom Drain Operable? U

Enforcement

NOD 04/06/2010
Deadline 04/30/2010
Resolved? N
DSO
Deadline
Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description The impoundment created by the dam is used for waste treatment. As a result, the dam should be classified as high hazard potential on the basis of potential environmental damage.

Spillways

Emergency: Cleveland County Emergency Management Post Office Box 2232 704-484-4841
Mr. Dewey Cook Shelby, NC 28151

Directions: From MRO: Travel west on Highway 150 through Shelby to Boilings Springs. Continue on Highway 150 and cross Broad River. Turn right on McCraw Road. Follow to Duke Power Road. Turn right off Duke Power Road into the Duke Power Cliffside Steam Stat

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Cliffside Active Ash Basin Downstream Dam, CLEVE-049-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Tailings
Year Constructed: 1972
*Region: Mooresville Regional Office
*Quadrangle: Boiling Springs South
*Latitude: 35.2172
*Longitude: -81.7478
River or Stream: Suck Creek -- offstream
*River Basin: Broad
Nearest City/Town:
Distance Downstream:

Inspection Information

*Last Inspection Date: 06/29/2010
*Type Inspection: Follow Up
*Inspector(s): ASH, RK
*Next Routine Inspection: 02/23/2011
Comments:

Inspection of removal of sediment deposits from embankment drain drainage channel. Channel has been restored to original dimensions; seepage from toe of dam (est. at 8-10 gpm) emerges from three locations and is free flowing to Broad River.

Details

*Structural Height (ft): 120
Normal Freeboard (ft): 5
*Hydraulic Height (ft): 115
*Crest Length (ft): 876
*Crest Width (ft): 15
*Upstream Slope XH:1V: 2.5
*Downstream Slope: 2.5
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 770
*Drainage Area (ac): 0
Surface Area (ac): 0
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 0
Bottom Drain? Y
Bottom Drain Operable? Y

Enforcement

NOD 04/06/2010
Deadline 04/30/2010
Resolved? Y
DSO
Deadline
Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Potential environmental damage from release of settled ash. Dike is adjacent to Broad River

Spillways

Emergency: Cleveland County Emergency Management Post Office Box 2232 704-484-4841
Mr. Dewey Cook Shelby, NC 28151

Directions: From MRO: Travel west on Highway 150 through Shelby to Boilings Springs. Continue on Highway 150 and cross Broad River. Turn right on McCraw Road. Follow to Duke Power Road. Turn right off Duke Power Road into the Duke Power Cliffside Steam Stat

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Cliffside Active Ash Basin Upstream Dam, CLEVE-050-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Tailings
Year Constructed: 1972
*Region: Mooresville Regional Office
*Quadrangle: Chesnee
*Latitude: 35.2142
*Longitude: -81.7555
River or Stream: o/s -- Broad River
*River Basin: Broad
Nearest City/Town:
Distance Downstream:

Inspection Information

*Last Inspection Date: 02/23/2010
*Type Inspection: Initial
*Inspector(s): ASH, ZSK, TE, MN, RK
*Next Routine Inspection: 02/23/2011
Comments:

Details

*Structural Height (ft): 60
Normal Freeboard (ft): 5
*Hydraulic Height (ft): 55
*Crest Length (ft): 890
*Crest Width (ft): 15
*Upstream Slope XH:1V: 2.5
*Downstream Slope: 2.5
*Max Spillway Capacity (cfs): 0
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 770
*Drainage Area (ac): 0
Surface Area (ac): 0
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 0
Bottom Drain? N
Bottom Drain Operable?

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Potential environmental impact; interruption of utility service

Spillways

Emergency: Cleveland County Emergency Management Post Office Box 2232 704-484-4841
Mr. Dewey Cook Shelby, NC 28151

Directions: From MRO: Travel west on Highway 150 through Shelby to Boilings Springs. Continue on Highway 150 and cross Broad River. Turn right on McCraw Road. Follow to Duke Power Road. Turn right off Duke Power Road into the Duke Power Cliffside Steam Stat

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Cliffside River Dam, CLEVE-053-Low

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Concrete
*Dam Purposes: Other
Year Constructed: 1940
*Region: Mooresville Regional Office
*Quadrangle: Chesnee
*Latitude: 35.2205
*Longitude: -81.7572
River or Stream: Broad
*River Basin: Broad
Nearest City/Town:
Distance Downstream:

Inspection Information

*Last Inspection Date: 02/23/2010
*Type Inspection: Initial
*Inspector(s): ASH, ZSK, TE, MN, RK
*Next Routine Inspection: 02/23/2011
Comments:
Initial inspection; dam is run-of-river concrete structure. Inspection of structure limited to right abutment due to overtopping flows. Dam is low hazard potential.

Details

*Structural Height (ft): 16
Normal Freeboard (ft): 7
*Hydraulic Height (ft): 9
*Crest Length (ft): 560
*Crest Width (ft): 2
*Upstream Slope XH:1V: 0
*Downstream Slope: 0.5
*Max Spillway Capacity (cfs): 0
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 664
*Drainage Area (ac): 0
Surface Area (ac): 0
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 10
Bottom Drain? N
Bottom Drain Operable? U

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description run-of-river dam

Spillways

Emergency: Cleveland County Emergency Management Post Office Box 2232 704-484-4841
Mr. Dewey Cook Shelby, NC 28151

Directions: From MRO: Travel west on Highway 150 through Shelby to Boilings Springs. Continue on Highway 150 and cross Broad River. Turn right on McCraw Road. Follow to Duke Power Road. Turn right off Duke Power Road into the Duke Power Cliffside Steam Stat

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Cliffside Active Ash Basin Internal Dam, CLEVE-054-Low

General Information

Alternate names:
*Status: EXEMPT
*Dam Type: Other
*Dam Purposes: Other
Year Constructed:
*Region: Mooresville Regional Office
*Quadrangle: Chesnee
*Latitude: 35.2101
*Longitude: -81.7508
River or Stream: Suck Creek -- offstream
*River Basin: Broad
Nearest City/Town:
Distance Downstream:

Inspection Information

*Last Inspection Date: 02/23/2010
*Type Inspection: Initial
*Inspector(s): ASH, ZSK, MN, TE, RK
*Next Routine Inspection: 02/23/2011
Comments:

Dam located at upper end of active ash basin. Spwy is channel at right abutment. Embankment height is approx. 10 ft.

Details

*Structural Height (ft): 10
Normal Freeboard (ft): 2
*Hydraulic Height (ft): 8
*Crest Length (ft): 600
*Crest Width (ft): 15
*Upstream Slope XH:1V: 2
*Downstream Slope: 2
*Max Spillway Capacity (cfs): 0
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 0
*Drainage Area (ac): 0
Surface Area (ac): 6
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 20
Bottom Drain? N
Bottom Drain Operable? N

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description Breach flow will dissipate within active ash basin

Spillways

Emergency: Cleveland County Emergency Management Post Office Box 2232 704-484-4841
Mr. Dewey Cook Shelby, NC 28151

Directions: From MRO: Travel west on Highway 150 through Shelby to Boilings Springs. Continue on Highway 150 and cross Broad River. Turn right on McCraw Road. Follow to Duke Power Road. Turn right off Duke Power Road into the Duke Power Cliffside Steam Stat

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Allen Retired Ash Basin Dam, GASTO-016-High

General Information

Alternate names:
*Status: DRAINED
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed:
*Region: Mooresville Regional Office
*Quadrangle: Belmont
*Latitude: 35.1842
*Longitude: -81.0063
*River or Stream: Catawba River-Os
*River Basin: Catawba
*Nearest City/Town: Red River
Distance Downstream: 22.0

Inspection Information

*Last Inspection Date: 03/09/2010
*Type Inspection: Initial
*Inspector(s): ASH, ZSK, TE, BD, RK
*Next Routine Inspection: 03/09/2011
Comments:
Trees cover d/s slope.

Details

*Structural Height (ft): 50
Normal Freeboard (ft): 4
*Hydraulic Height (ft): 46
*Crest Length (ft): 3,130
*Crest Width (ft): 17
*Upstream Slope XH:1V: 2
*Downstream Slope: 2
*Max Spillway Capacity (cfs): 0
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 0
*Drainage Area (ac): 0
Surface Area (ac): 0
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 0
*Bottom Drain? N
Bottom Drain Operable? N

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Potential environmental damage from release of coal ash.

Spillways

Owner	Duke Power Company	Post Office Box 2178 Charlotte, NC 28242	704-373-4011
Emergency	Gaston County Emergency Management Tommy Almond	Post Office Box 1578 Gastonia, NC 28053-1578	704-866-3350

Directions: From MRO, I-77 south to I-485 west to I-85 south. Exit 27 to Hwy 273 south. Follow NC 273 to Plant Allen, on left, approx. 3 miles south of Belmont.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Allen Active Ash Basin Dam, GASTO-061-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed:
*Region: Mooresville Regional Office
*Quadrangle: Belmont
*Latitude: 35.1741
*Longitude: -81.0076
*River or Stream: Catawba River-Os
*River Basin: Catawba
*Nearest City/Town: Red River
Distance Downstream: 22.0

Inspection Information

*Last Inspection Date: 03/09/2010
*Type Inspection: Initial
*Inspector(s): ASH, ZSK, TE, BD, RK
*Next Routine Inspection: 03/09/2011
Comments:
Seepage along toe of East section and @ NW corner of basin adjacent to transmission tower.

Details

*Structural Height (ft): 70
Normal Freeboard (ft): 5
*Hydraulic Height (ft): 65
*Crest Length (ft): 5,470
*Crest Width (ft): 15
*Upstream Slope XH:1V: 2
*Downstream Slope: 2
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft): 0
*Bottom Drain? N
Bottom Drain Operable? N

Enforcement

NOD 04/20/2010
Deadline 05/14/2010
Resolved? N
DSO
Deadline
Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Potential environmental damage from coal ash release.

Spillways

Owner Duke Power Company 422 S. Church St. 704-373-4011
Charlotte, NC 28242

Emergency Gaston County Emergency Management Post Office Box 1578 704-866-3350
Tommy Almond Gastonia, NC 28053-1578

Directions: From MRO, I-77 south to I-485 west to I-85 south. Exit 27 to Hwy 273 south. Follow NC 273 to Plant Allen, on left, approx. 3 miles south of Belmont.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Riverbend Active Ash Basin Dam 1 (Primary), GASTO-097-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1950
*Region: Mooresville Regional Office
*Quadrangle: Mountain Island Lake
*Latitude: 35.3655
*Longitude: -80.9653
River or Stream: o/s -- Catawba River
*River Basin: Catawba
Nearest City/Town:
Distance Downstream:

Inspection Information

*Last Inspection Date: 02/16/2010
*Type Inspection: Other
*Inspector(s): ASH, ZSK, WHD, TE, JM, RK
*Next Routine Inspection: 02/16/2011
Comments:
Standing water on embankment benches; seepage at toe (in rip rap channel); routine maint. needed on veg. cover in spots.

Details

*Structural Height (ft): 80
Normal Freeboard (ft): 13
*Hydraulic Height (ft): 67
*Crest Length (ft): 1,550
*Crest Width (ft): 15
*Upstream Slope XH:1V: 3.5
*Downstream Slope: 2.5
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 717
*Drainage Area (ac):
Surface Area (ac): 0
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft): 0
Bottom Drain? Y
Bottom Drain Operable? Y

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Environmental impact to Mountain Island Lake; cost to clean up ash spill; interruption of utility service.

Spillways

Contact	Duke Energy Carolinas, LLC Quincy D Corey	175 Steamplant Road Mount Holly, NC 28120	864-847-3110
Emergency	Gaston County Emergency Management Tommy Almond	Post Office Box 1578 Gastonia, NC 28053-1578	704-866-3350
Directions:	From MRO, I-77 south to I-485 West. Take Hwy 16 (Brookshire Blvd.) north approx. 3 miles, turn right on SR 1912. Plant entrance on left.		

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Riverbend Ash Basin Dam 2 (Secondary), GASTO-098-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed:
*Region: Mooresville Regional Office
*Quadrangle: Mountain Island Lake
*Latitude: 35.3688
*Longitude: -80.9606
*River or Stream: o/s -- Catawba River
*River Basin: Catawba
*Nearest City/Town:
Distance Downstream:

Inspection Information

*Last Inspection Date: 02/16/2010
*Type Inspection: Other
*Inspector(s): ASH, ZSK, WHD, TE, JM, RK
*Next Routine Inspection: 02/16/2011

Comments:

Standing water at rt. end of embankment bench; wetness along toe (reinspect in drier weather); erosion at d/s end of conc pspwy channel (located away from embankment).

Details

*Structural Height (ft): 70
Normal Freeboard (ft): 7
*Hydraulic Height (ft): 63
*Crest Length (ft): 3,070
*Crest Width (ft): 15
*Upstream Slope XH:1V: 3
*Downstream Slope: 2.5
*Max Spillway Capacity (cfs): 0
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 713
*Drainage Area (ac): 0
Surface Area (ac): 23.5
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 0
*Bottom Drain? Y
Bottom Drain Operable? Y

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description significant environmental/economic damage expected

Spillways

Contact	Duke Energy Carolinas, LLC Quincy D Corey	175 Steamplant Road Mount Holly, NC 28120	864-847-3110
Emergency	Gaston County Emergency Management Tommy Almond	Post Office Box 1578 Gastonia, NC 28053-1578	704-866-3350
Directions:	From MRO, I-77 south to I-485 West. Take Hwy 16 (Brookshire Blvd.) north approx. 3 miles, turn right on SR 1912. Plant entrance on left.		

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Riverbend Ash Basin Intermediate Dam, GASTO-099-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed:
*Region: Mooresville Regional Office
*Quadrangle: Mountain Island Lake
*Latitude: 35.3668
*Longitude: -80.9622
River or Stream: o/s -- Catawba River
*River Basin: Catawba
Nearest City/Town:
Distance Downstream:

Inspection Information

*Last Inspection Date: 02/21/2010
*Type Inspection: Initial
*Inspector(s): Tami Idol, EI
*Next Routine Inspection: 02/21/2011
Comments:

Details

*Structural Height (ft): 15.4
Normal Freeboard (ft): 7.3
*Hydraulic Height (ft): 8.1
*Crest Length (ft): 1,860
*Crest Width (ft): 15
*Upstream Slope XH:1V: 3
*Downstream Slope: 3
*Max Spillway Capacity (cfs): 0
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 717
*Drainage Area (ac): 32
Surface Area (ac): 32
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 0
Bottom Drain? Y
Bottom Drain Operable? Y

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Failure may cause overtopping of Secondary Dike; May cause interruption of utility service.

Spillways

Primary C	Duke Energy Carolinas, LLC Quincy D Corey	175 Steamplant Road Mount Holly, NC 28120	864-847-3110
Emergency	Gaston County Emergency Management Tommy Almond	Post Office Box 1578 Gastonia, NC 28053-1578	704-866-3350

Directions: From MRO, I-77 south to I-485 West. Take Hwy 16 (Brookshire Blvd.) north approx. 3 miles, turn right on SR 1912. Plant entrance on left.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Tuxedo Dam Lake Summit, HENDE-001-High

General Information

Alternate names: Tuxedo Hydro Station
*Status: IMPOUNDING
*Dam Type: Buttress
*Dam Purposes: Hydroelectric
Year Constructed:
Region: Asheville Regional Office
*Quadrangle: Zirconia
*Latitude: 35.2336
*Longitude: -82.3993
River or Stream: Green River
*River Basin: Broad
Nearest City/Town: Melrose
Distance Downstream: 6.0

Details

*Structural Height (ft): 130
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft): 15,840
Bottom Drain? U
Bottom Drain Operable? U

Spillways

Inspection Information

*Last Inspection Date: 03/30/2010
*Type Inspection: Routine
*Inspector(s): WCB, JB, SM
*Next Routine Inspection: 03/30/2011
Comments:

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? Y
EAP Date 12/31/2009

Hazard Information

*Hazard Class High
*Hazard Description US 176 bridge

Owner Duke Energy Corporation
Bradley T Keaton

PO Box 1006
Charlotte, NC 28201-1006

704-382-1951

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Tuxedo Saddle Dam, HENDE-123-High

General Information

Alternate names:

*Status:	IMPOUNDING
*Dam Type:	Earth
Dam Purposes:	Hydroelectric
Year Constructed:	
Region:	Asheville Regional Office
*Quadrangle:	Zirconia
*Latitude:	35.2325
*Longitude:	-82.3989
River or Stream:	Green River
*River Basin:	Broad
Nearest City/Town:	Melrose
Distance Downstream:	

Inspection Information

*Last Inspection Date:
*Type Inspection:
*Inspector(s):
*Next Routine Inspection:
Comments:

Details

*Structural Height (ft):	35
Normal Freeboard (ft):	-5
*Hydraulic Height (ft):	40
*Crest Length (ft):	110
*Crest Width (ft):	12
*Upstream Slope XH:1V:	1
*Downstream Slope:	2
*Max Spillway Capacity (cfs):	0
*Low Flow Requirement (cfs):	0
*Normal Pool Elevation:	0
*Drainage Area (ac):	0
Surface Area (ac):	0
Normal Pool Capacity (ac-ft):	0
*Max Pool Capacity (ac-ft):	15,840
Bottom Drain?	N
Bottom Drain Operable?	

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description US 176 Bridge

Spillways

Primary Spillway	Other No Spillway on this Tuxedo Saddle Dam
Emergency Spillway	Other No ESPWY on this dam

Owner	Duke Energy Corporation Bradley T Keaton	PO Box 1006 Charlotte, NC 28201-1006	704-382-1951
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Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Lincoln CT Raw Water Reservoir Dam, LINCO-042-Intermediate

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Water Supply
Year Constructed:
*Region: Mooresville Regional Office
*Quadrangle: Lowesville
*Latitude: 35.4354
*Longitude: -81.0386
*River or Stream: Killian Creek-Tr
*River Basin: Catawba
*Nearest City/Town: Lowesville
Distance Downstream:

Inspection Information

*Last Inspection Date: 01/19/2010
*Type Inspection: Other
*Inspector(s): ZSK, ASH, WHH, THE, MH
*Next Routine Inspection: 01/19/2011
Comments:

Details

*Structural Height (ft): 51.6
Normal Freeboard (ft): 51.6
*Hydraulic Height (ft): 0
*Crest Length (ft): 480
*Crest Width (ft): 14
*Upstream Slope XH:1V: 3
*Downstream Slope: 3
*Max Spillway Capacity (cfs): 0
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 0
*Drainage Area (ac): 0
Surface Area (ac): 12.65
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft): 227
*Bottom Drain? Y
Bottom Drain Operable?

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Intermediate
*Hazard Description Potential for interruption of utility service

Spillways

Primary Spillway	Riser/Barrel	Barrel Type: RCP	Barrel Size: 18
	Riser Type: Cast in Place Concrete	Riser Shape: Square	Riser Size: 4x4
Emergency Spillway	Channel	Bottom Width: 50	Side Slope: 20
		Lining: CABC Sto	

Contact	Duke Energy - Lincoln Combustion Turbine Paul A Beatty	6769 Old Plank Road Stanley, NC 28164	704-742-3009
Contact	Duke Energy Henry Taylor	POB 1006 Mail Code EC11J Charlotte, NC 28201	704-382-4913
Emergency	Lincoln County Emergency Management Martha Lide	115 W Main Street Lincolnton, NC 28092	704-736-8660

Directions: Dam located at 6769 Old Plank Road, through gate at the Duke Power plant.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Lincoln CT Fuel Containment Dam, LINCO-076-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed:
*Region: Mooresville Regional Office
*Quadrangle: Lowesville
*Latitude: 35.4306
*Longitude: -81.0335
*River or Stream: trib. - Killian Creek
*River Basin: Catawba
*Nearest City/Town:
Distance Downstream:

Inspection Information

*Last Inspection Date: 01/19/2010
*Type Inspection: Initial
*Inspector(s): ASH, ZSK, WHH, THE, MH
*Next Routine Inspection: 01/19/2011
Comments:
Initial inspection.

Details

*Structural Height (ft): 20
Normal Freeboard (ft): 19
*Hydraulic Height (ft): 1
*Crest Length (ft): 880
*Crest Width (ft): 14
*Upstream Slope XH:1V: 2.5
*Downstream Slope: 2.5
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 0
*Drainage Area (ac): 0
Surface Area (ac): 0
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 18
*Bottom Drain? Y
Bottom Drain Operable? Y

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Environmental damage/cost of clean up for fuel spill.

Spillways

Primary Spillway

Other

4-inch diameter siphon

Contact	Duke Energy - Lincoln Combustion Turbine Paul A Beatty	6769 Old Plank Road Stanley, NC 28164	704-742-3009
Contact	Duke Energy Henry Taylor	POB 1006 Mail Code EC11J Charlotte, NC 28201	704-382-4913
Emergency	Lincoln County Emergency Management Martha Lide	115 W Main Street Lincolnton, NC 28092	704-736-8660

Directions: Dam located at 6769 Old Plank Road, through gate at the Duke Lincoln CT facility.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Sutton 1972 Cooling Pond, NEW H-003-Low

General Information

Alternate names: Sutton Lake
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Hydroelectric
Year Constructed: 1972
*Region: Wilmington Regional Office
*Quadrangle: Leland
*Latitude: 34.3000
*Longitude: -78.0115
River or Stream: Cape Fear River
*River Basin: Cape Fear
Nearest City/Town: Wilmington
Distance Downstream:

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
Bottom Drain?
Bottom Drain Operable?

Spillways

Inspection Information

*Last Inspection Date: 01/15/2010
*Type Inspection: Initial
*Inspector(s): Sams, Mills, Worthington
*Next Routine Inspection: 01/15/2011
Comments:

Overall the dam is in good shape. Woody and weedy vegetation is thick and needs to be culled to make inspection easier and comprehensive. The slope toe has a depression that breaches the water table resulting in beaver dams that need to be removed.

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description The Cape Fear River is immediately downstream and will absorb any breach.

Owner Progress Energy Carolinas, Inc.
R. Kent Tyndall

801 Sutton Steam Plant Road
Wilmington, NC 28401-8357

910-343-3244

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Sutton1971 Ash Pond, NEW H-004-Low

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Hydroelectric
Year Constructed: 1971
*Region: Wilmington Regional Office
*Quadrangle: Castle Hayne
*Latitude: 34.2931
*Longitude: -77.9928
River or Stream: Cape Fear River
*River Basin: Cape Fear
Nearest City/Town: Wilmington
Distance Downstream:

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
Bottom Drain?
Bottom Drain Operable?

Spillways

Inspection Information

*Last Inspection Date: 01/14/2010
*Type Inspection: Initial
*Inspector(s): Sams, McEvoy, James et al
*Next Routine Inspection: 01/15/2011
Comments:

The dike is in good shape. We were unable to inspect the outfall culvert because it is submerged in the Cooling Pond. All woody vegetation less than 6 inches in diameter along the southwest face of the dike should be removed.

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description A breach would be confined in the Sutton Plant 1972 Cooling Pond

Owner

Progress Energy Carolinas, Inc.
R. Kent Tyndall

801 Sutton Steam Plant Road
Wilmington, NC 28401-8357

910-343-3244

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Sutton 1984 Ash Pond, NEW H-005-Low

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Hydroelectric
Year Constructed: 1984
*Region: Wilmington Regional Office
*Quadrangle: Castle Hayne
*Latitude: 34.2991
*Longitude: -77.9924
River or Stream: Cape River River
*River Basin: Cape Fear
Nearest City/Town: Wilmington
Distance Downstream:

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
Bottom Drain?
Bottom Drain Operable?

Spillways

Inspection Information

*Last Inspection Date: 01/14/2010
*Type Inspection: Initial
*Inspector(s): Sams, McEvoy, James et al
*Next Routine Inspection: 01/15/2011
Comments:

The dike is in good shape. The back side (the East facing slope) has a number of burrows that need to be eliminated. The North and West slopes have sparse vegetation and possibly a small bulge that needs additional cover.

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description A breach would be confined to the Sutton Plant 1972 Cooling Pond.

Owner

Progress Energy Carolinas, Inc.
R. Kent Tyndall

801 Sutton Steam Plant Road
Wilmington, NC 28401-8357

910-343-3244

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Lake Hyco Dam, PERSO-002-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Recreation
Year Constructed: 1963
*Region: Raleigh Regional Office
*Quadrangle: Alton
*Latitude: 36.5082
*Longitude: -79.0421
River or Stream: Hyco River
*River Basin: Roanoke
Nearest City/Town: Mcgehees Mill
Distance Downstream: 1.0

Inspection Information

*Last Inspection Date: 03/08/2010
*Type Inspection: Initial
*Inspector(s): JLH/JDS/BC/GJ
*Next Routine Inspection: 02/24/2011
Comments:

Details

*Structural Height (ft): 70
Normal Freeboard (ft): 10
*Hydraulic Height (ft): 60
*Crest Length (ft): 2,000
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs): 660
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac): 1,209,600
Surface Area (ac): 3,500
Normal Pool Capacity (ac-ft): 66,600
*Max Pool Capacity (ac-ft): 77,000
Bottom Drain? U
Bottom Drain Operable? U

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Unknown

Spillways

Owner	Carolina Power & Light	P. O. Box 1551 Raleigh, NC 27602	999-999-9999
Engineer	Ebasco	Unknown New York, NY Unknown	999-999-9999

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Roxboro Afterbay Dam, PERSO-013-Low

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1974
*Region: Raleigh Regional Office
*Quadrangle: Cluster Springs
*Latitude: 36.5223
*Longitude: -78.9972
River or Stream: Hyco River
*River Basin: Roanoke
Nearest City/Town: Denniston
Distance Downstream: 9.0

Inspection Information

*Last Inspection Date: 03/08/2010
*Type Inspection: Initial
*Inspector(s): JLH/JDS/BC/GJ
*Next Routine Inspection: 02/24/2011
Comments:

Details

*Structural Height (ft): 55
Normal Freeboard (ft): 15
*Hydraulic Height (ft): 40
*Crest Length (ft): 302
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs): 330
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac): 650
Normal Pool Capacity (ac-ft): 14,000
*Max Pool Capacity (ac-ft): 16,800
Bottom Drain? U
Bottom Drain Operable? U

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description Unknown

Spillways

Owner	Carolina Power & Light	P. O. Box 1551 Raleigh, NC 27602	999-999-9999
Engineer	Ebasco	Unknown New York, NY Unknown	999-999-9999

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Roxboro East Ash Pond, PERSO-033-Low

General Information

Alternate names: East Retired Ash Pond Dam
*Status: IMPOUNDING
*Dam Type: Other
Dam Purposes: Sediment Control
Year Constructed:
Region: Raleigh Regional Office
*Quadrangle: Olive Hill
*Latitude: 36.4806
*Longitude: -79.0670
River or Stream:
*River Basin: Roanoke
Nearest City/Town:
Distance Downstream:

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
Bottom Drain?
Bottom Drain Operable?

Spillways

Inspection Information

*Last Inspection Date: 03/08/2010
*Type Inspection: Initial
*Inspector(s): JLH/JDS/BC/GJ
*Next Routine Inspection: 02/24/2011
Comments:

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description DS onsite containment in freshwater/ash ponds, but some contaminated liquid could go over riser and enter Hyco Lake.

--

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Mayo Lake Dam, PERSO-034-High

General Information

Alternate names:

*Status: IMPOUNDING

*Dam Type: Earth

Dam Purposes: Other

Year Constructed:

Region: Raleigh Regional Office

*Quadrangle: Cluster Springs

*Latitude: 36.5367

*Longitude: -78.8760

River or Stream: Mayo Creek

*River Basin: Roanoke

Nearest City/Town:

Distance Downstream:

Details

*Structural Height (ft):

Normal Freeboard (ft):

*Hydraulic Height (ft):

*Crest Length (ft):

*Crest Width (ft):

*Upstream Slope XH:1V:

*Downstream Slope:

*Max Spillway Capacity (cfs):

*Low Flow Requirement (cfs):

*Normal Pool Elevation:

*Drainage Area (ac):

Surface Area (ac):

Normal Pool Capacity (ac-ft):

*Max Pool Capacity (ac-ft):

Bottom Drain?

Bottom Drain Operable?

Inspection Information

*Last Inspection Date: 03/01/2010

*Type Inspection: Initial

*Inspector(s): JLH/TD/BC/GJ

*Next Routine Inspection: 03/01/2011

Comments:

Enforcement

NOD

Deadline
Resolved?

DSO

Deadline
Resolved?

EAP?

N
EAP Date

Hazard Information

*Hazard Class High

*Hazard Description DS Roads/Dev.

Spillways

Directions:

--

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Mayo Ash Pond Dam, PERSO-035-High

General Information

Alternate names:

*Status: IMPOUNDING

*Dam Type: Earth

Dam Purposes: Other

Year Constructed:

Region: Raleigh Regional Office

*Quadrangle: Cluster Springs

*Latitude: 36.5380

*Longitude: -78.8936

River or Stream: Crutchfield Branch

*River Basin: Roanoke

Nearest City/Town:

Distance Downstream:

Inspection Information

*Last Inspection Date: 03/01/2010

*Type Inspection: Initial

*Inspector(s): JLH/TD/BC/GJ

*Next Routine Inspection: 03/01/2011

Comments:

Details

*Structural Height (ft):

Normal Freeboard (ft):

*Hydraulic Height (ft):

*Crest Length (ft):

*Crest Width (ft):

*Upstream Slope XH:1V:

*Downstream Slope:

*Max Spillway Capacity (cfs):

*Low Flow Requirement (cfs):

*Normal Pool Elevation:

*Drainage Area (ac):

Surface Area (ac):

Normal Pool Capacity (ac-ft):

*Max Pool Capacity (ac-ft):

Bottom Drain?

Bottom Drain Operable?

Enforcement

NOD

Deadline
Resolved?

DSO

Deadline
Resolved?

EAP?

N
EAP Date

Hazard Information

*Hazard Class High

*Hazard Description Waste material stored
near stream and DS
roads/Dev.

Spillways

Directions:

--

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Mayo FGD Settling Pond, PERSO-036-Low

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed:
*Region: Raleigh Regional Office
*Quadrangle: Cluster Springs
*Latitude: 36.5334
*Longitude: -78.8920
*River or Stream: OS-Crutchfield Branch
*River Basin: Roanoke
*Nearest City/Town:
Distance Downstream:

Inspection Information

*Last Inspection Date: 03/01/2010
*Type Inspection: Initial
*Inspector(s): JLH/TD/BC/GJ
*Next Routine Inspection: 03/01/2011
Comments:

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
*Bottom Drain?
Bottom Drain Operable?

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description Wastewater into Ash Pond DS

Spillways

Directions:

--

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Mayo FGD Flush Pond, PERSO-037-Low

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed:
*Region: Raleigh Regional Office
*Quadrangle: Cluster Springs
*Latitude: 36.5333
*Longitude: -78.8910
*River or Stream: OS-Crutchfield Branch
*River Basin: Roanoke
*Nearest City/Town:
Distance Downstream:

Inspection Information

*Last Inspection Date: 03/01/2010
*Type Inspection: Initial
*Inspector(s): JLH/TD/BC/GJ
*Next Routine Inspection: 03/01/2011
Comments:

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
*Bottom Drain?
Bottom Drain Operable?

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description Waste material to DS
Ash Pond

Spillways

Directions:

--

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Roxboro West Ash Pond Dam, PERSO-038-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed:
*Region: Raleigh Regional Office
*Quadrangle: Olive Hill
*Latitude: 36.4766
*Longitude: -79.0773
*River or Stream: OS-Hyco River
*River Basin: Roanoke
*Nearest City/Town:
Distance Downstream:

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
*Bottom Drain?
Bottom Drain Operable?

Spillways

Inspection Information

*Last Inspection Date: 03/08/2010
*Type Inspection: Follow Up
*Inspector(s): JLH/JDS/BC/GJ
*Next Routine Inspection: 02/22/2011
Comments:

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Waste material stored just above Hyco Lake

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Roxboro West Ash Pond South Rock Filter, PERSO-039-Intermediate

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Rockfill
*Dam Purposes: Other
Year Constructed:
*Region: Raleigh Regional Office
*Quadrangle: Olive Hill
*Latitude: 36.4645
*Longitude: -79.0707
*River or Stream: OS-Hyco River
*River Basin: Roanoke
*Nearest City/Town:
Distance Downstream:

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
*Bottom Drain?
Bottom Drain Operable?

Spillways

Inspection Information

*Last Inspection Date: 03/08/2010
*Type Inspection: Initial
*Inspector(s): JLH/JDS/BC/GJ
*Next Routine Inspection: 02/24/2011
Comments:

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Intermediate
*Hazard Description Waste material stored near canal to Hyco Lake

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Roxboro West FGD Settling Pond, PERSO-040-High

General Information

Alternate names:
*Status: DRAINED
*Dam Type: Other
*Dam Purposes: Other
Year Constructed:
*Region: Raleigh Regional Office
*Quadrangle: Olive Hill
*Latitude: 36.4737
*Longitude: -79.0767
*River or Stream: Sargents Creek
*River Basin: Roanoke
*Nearest City/Town:
Distance Downstream:

Inspection Information

*Last Inspection Date: 02/24/2010
*Type Inspection: Other
*Inspector(s): JLH/BC/GJ
*Next Routine Inspection: 02/22/2011
Comments:
Survey data collection.

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
*Bottom Drain?
Bottom Drain Operable?

Enforcement

NOD
Deadline
Resolved?
DSO
Deadline
Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Waste Material stored
near Hyco Lake

Spillways

Directions:

--

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Roxboro East FGD Settling Pond, PERSO-041-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed:
*Region: Raleigh Regional Office
*Quadrangle: Olive Hill
*Latitude: 36.4737
*Longitude: -79.0751
*River or Stream: Sargents Creek
*River Basin: Roanoke
*Nearest City/Town:
Distance Downstream:

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
*Bottom Drain?
Bottom Drain Operable?

Spillways

Inspection Information

*Last Inspection Date: 02/24/2010
*Type Inspection: Other
*Inspector(s): JLH/BC/GJ
*Next Routine Inspection: 02/22/2011
Comments:
Survey data collection.

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Waste material to be stored near Hyco Lake

Directions:

--

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Roxboro FGD Forward Flush Pond, PERSO-042-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Other
*Dam Purposes: Other
Year Constructed:
*Region: Raleigh Regional Office
*Quadrangle: Olive Hill
*Latitude: 36.4719
*Longitude: -79.0768
*River or Stream: Sargents Creek
*River Basin: Roanoke
*Nearest City/Town:
Distance Downstream:

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
*Bottom Drain?
Bottom Drain Operable?

Spillways

Inspection Information

*Last Inspection Date: 02/24/2010
*Type Inspection: Other
*Inspector(s): JLH/BC/GJ
*Next Routine Inspection: 02/22/2011
Comments:
Survey data collection.

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Waste Material stored near Hyco Lake

Directions:

--

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Roxboro Intake Pond, PERSO-043-Low

General Information

Alternate names:
*Status: EXEMPT
*Dam Type: Earth
*Dam Purposes: Fire Prot., small pond
Year Constructed:
*Region: Raleigh Regional Office
*Quadrangle: Olive Hill
*Latitude: 36.4821
*Longitude: -79.0672
*River or Stream: TR-Hyco Lake
*River Basin: Roanoke
*Nearest City/Town:
Distance Downstream:

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
*Bottom Drain?
Bottom Drain Operable?

Spillways

Inspection Information

*Last Inspection Date: 03/08/2010
*Type Inspection: Initial
*Inspector(s): JLH/JDS/BC/GJ
*Next Routine Inspection: 02/24/2020
Comments:
Exempt

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description Near Hyco @ Plant

Directions:

--

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Weatherspoon Plant Cooling Lake Dam, ROBES-004-Low

General Information

Alternate names:
*Status: EXEMPT
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1955
*Region: Fayetteville Regional Office
*Quadrangle: Southeast Lumberton
*Latitude: 34.5847
*Longitude: -78.9714
River or Stream: Lumber River
*River Basin: Lumber
Nearest City/Town: Lumberton
Distance Downstream:

Inspection Information

*Last Inspection Date: 01/27/1993
*Type Inspection:
*Inspector(s): Unknown
*Next Routine Inspection: 01/27/1998
Comments:

Details

*Structural Height (ft): 14
Normal Freeboard (ft): 5
*Hydraulic Height (ft): 9
*Crest Length (ft): 8,200
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs): 149
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft): 828
*Max Pool Capacity (ac-ft): 994
Bottom Drain? U
Bottom Drain Operable? U

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description Unknown

Spillways

Owner	Carolina Power & Light	P. O. Box 1551 Raleigh, NC 27602	999-999-9999
Engineer	Basco	Unknown Unknown, NC Unknown	999-999-9999

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

Weatherspoon 1979 Ash Pond, ROBES-009-Intermediate

General Information

Alternate names:

*Status:	IMPOUNDING
*Dam Type:	Earth
Dam Purposes:	Other
Year Constructed:	1949
Region:	Fayetteville Regional Office
*Quadrangle:	Southeast Lumberton
*Latitude:	34.5913
*Longitude:	-78.9693
River or Stream:	Lumber
*River Basin:	Lumber
Nearest City/Town:	Boardman
Distance Downstream:	12.0

Details

*Structural Height (ft):	27
Normal Freeboard (ft):	3
*Hydraulic Height (ft):	24
*Crest Length (ft):	6,147
*Crest Width (ft):	85
*Upstream Slope XH:1V:	2
*Downstream Slope:	1.5
*Max Spillway Capacity (cfs):	
*Low Flow Requirement (cfs):	0
*Normal Pool Elevation:	
*Drainage Area (ac):	
Surface Area (ac):	
Normal Pool Capacity (ac-ft):	
*Max Pool Capacity (ac-ft):	0
Bottom Drain?	N
Bottom Drain Operable?	N

Spillways

Primary Spillway	Riser/Barrel	Barrel Type: Gal. Steel	Barrel Size: 36
	Riser Type: RCP	Riser Shape: Round	Riser Size: 24

Inspection Information

*Last Inspection Date:
*Type Inspection:
*Inspector(s):
*Next Routine Inspection:
Comments:

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Intermediate
*Hazard Description Environmental- Ash pond dam jacobs swamp downstream

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Belew's Creek Saddle Dike #4, ROCKI-235-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed:
*Region: Winston-Salem Regional Office
*Quadrangle: Belews Lake
*Latitude: 36.3215
*Longitude: -80.0315
*River or Stream: Tributary to Dan River
*River Basin: Roanoke
*Nearest City/Town: Mayodan
Distance Downstream:

Inspection Information

*Last Inspection Date: 01/12/2010
*Type Inspection: Routine
*Inspector(s): Gantt/Poling/Idol/Swaim/W
*Next Routine Inspection: 01/12/2011
Comments:
Drainage channel at toe of dam does not drain properly.
Dam is in very good shape.

Details

*Structural Height (ft): 21
Normal Freeboard (ft): 18
*Hydraulic Height (ft): 3
*Crest Length (ft): 838
*Crest Width (ft): 30
*Upstream Slope XH:1V: 2
*Downstream Slope: 2.5
*Max Spillway Capacity (cfs): 0
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 725
*Drainage Area (ac): 0
Surface Area (ac): 0
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 0
*Bottom Drain? N
Bottom Drain Operable? N

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description SR 1903 and Dan River

Spillways

Primary Spillway **Other**
No spillway - saddle dike impoundment
Emergency Spillway **Other**
No spillway - saddle dike impoundment

Owner Duke Energy PO Box 1006 704-382-4913
Henry Taylor EC11J
Charlotte, NC 28201-1006

Directions: US 311 out of Winston-Salem to Pine Hall Road in Belew's Creek

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Duke Energy Belew's Lake, ROCKI-236-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Concrete
*Dam Purposes: Other
Year Constructed:
*Region: Winston-Salem Regional Office
*Quadrangle: Belews Lake
*Latitude: 36.3200
*Longitude: -80.0244
River or Stream: Tributary to Dan River
*River Basin: Roanoke
Nearest City/Town: Mayodan
Distance Downstream:

Inspection Information

*Last Inspection Date: 01/13/2010
*Type Inspection: Initial
*Inspector(s): Gantt/Poling/Idol/Swaim/W
*Next Routine Inspection: 01/13/2011
Comments:
Dam was seeping on left abutment and right toe.
Seepage on left abutment needs to be addressed.
Upstream slope needs to be cleared.

Details

*Structural Height (ft): 160
Normal Freeboard (ft): 45
*Hydraulic Height (ft): 115
*Crest Length (ft): 3,000
*Crest Width (ft): 20
*Upstream Slope XH:1V: 2.5
*Downstream Slope: 2.5
*Max Spillway Capacity (cfs): 0
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 725
*Drainage Area (ac): 0
Surface Area (ac): 0
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 0
Bottom Drain? Y
Bottom Drain Operable? Y

Enforcement

NOD 02/09/2010
Deadline 06/30/2010
Resolved? N
DSO
Deadline
Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description SR 1138 and Dan River

Spillways

Primary Spillway **Riser/Barrel** Barrel Type: RCP Barrel Size: 1
Riser Type: Cast in Place Concrete Riser Shape: Rectangle Riser Size: 1

Emergency Spillway **Other**
Two 10' x 15' Tainter Gates

Owner Duke Energy PO Box 1006 704-382-4913
Henry Taylor EC11J
Charlotte, NC 28201-1006

Directions: US 311 out of Winston-Salem to Pine Hall Road in Belews Creek

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Dan River Active Primary Ash Basin, ROCKI-237-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1968
*Region: Winston-Salem Regional Office
*Quadrangle: Southeast Eden
*Latitude: 36.4883
*Longitude: -79.7148
River or Stream: Dan River
*River Basin: Roanoke
Nearest City/Town: Eden
Distance Downstream: 2.0

Inspection Information

*Last Inspection Date: 01/25/2010
*Type Inspection: Initial
*Inspector(s): Gantt/Poling/Idol/Swaim/W
*Next Routine Inspection: 01/25/2011

Comments:

Significant seepage on downstream slope above Dan River. Upstream slope needs to be cleared. Burrows noted. Slide noted near interface of primary and secondary ponds.

Details

*Structural Height (ft): 40
Normal Freeboard (ft): 5
*Hydraulic Height (ft): 35
*Crest Length (ft): 4,506
*Crest Width (ft): 15
*Upstream Slope XH:1V: 2
*Downstream Slope: 2
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 535
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft): 0
Bottom Drain? Y
Bottom Drain Operable? U

Enforcement

NOD 02/10/2010
Deadline 06/30/2010
Resolved? N
DSO
Deadline
Resolved?
EAP? Y
EAP Date 06/01/2010

Hazard Information

*Hazard Class High
*Hazard Description Dan River and NC 700 in Eden

Spillways

Primary Spillway **Riser/Barrel** Barrel Type: RCP Barrel Size: 36
Riser Type: Pre Cast Concrete Riser Shape: Rectangle Riser Size: 68" x 74"

Emergency Spillway **Other**
No EMS

Owner Duke Energy PO Box 1006 704-382-4913
Henry Taylor EC11J
Charlotte, NC 28201-1006

Emergency Rockingham County Emergency Management Post Office Box 335 336-634-3017
Johnny Bowles Wentworth, NC 27375

Directions: NC 14 to Eden. East on Stadium Drive and South on to Edgewood Road.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Dan River Active Secondary Ash Basin, ROCKI-238-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1976
*Region: Winston-Salem Regional Office
*Quadrangle: Southeast Eden
*Latitude: 36.4919
*Longitude: -79.7114
River or Stream: Dan River
*River Basin: Roanoke
Nearest City/Town: Eden
Distance Downstream: 2.0

Inspection Information

*Last Inspection Date: 01/25/2010
*Type Inspection: Initial
*Inspector(s): Gantt/Poling/Idol/Swaim/W
*Next Routine Inspection: 01/25/2011
Comments:

Dam is in good shape overall. Some burrows noted on upstream slope. Upstream slope needs to be mowed. Barrel outlet submerged by Dan River flooding.

Details

*Structural Height (ft): 30
Normal Freeboard (ft): 5
*Hydraulic Height (ft): 25
*Crest Length (ft): 2,785
*Crest Width (ft): 15
*Upstream Slope XH:1V: 2
*Downstream Slope: 2
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 525
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 0
Bottom Drain? Y
Bottom Drain Operable? Y

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? Y
EAP Date 06/01/2010

Hazard Information

*Hazard Class High
*Hazard Description Dan River and NC 700 in Eden

Spillways

Primary Spillway **Riser/Barrel** Barrel Type: RCP Barrel Size: 36
Riser Type: Pre Cast Concrete Riser Shape: Rectangle Riser Size: 128" x 128"

Emergency Spillway **Other**
No EMS

Owner Duke Energy PO Box 1006 704-382-4913
Henry Taylor EC11J
Charlotte, NC 28201-1006

Emergency Rockingham County Emergency Management Post Office Box 335 336-634-3017
Johnny Bowles Wentworth, NC 27375

Directions: NC 14 to Eden. East on Stadium Drive. South on Edgewood Road.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Dan River Plant River Dam, ROCKI-239-Low

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Concrete
*Dam Purposes: Hydroelectric
Year Constructed: 1949
*Region: Winston-Salem Regional Office
*Quadrangle: Southeast Eden
*Latitude: 36.4856
*Longitude: -79.7203
River or Stream: Dan River
*River Basin: Roanoke
Nearest City/Town: Eden
Distance Downstream: 7.0

Details

*Structural Height (ft): 19
Normal Freeboard (ft): 0
*Hydraulic Height (ft): 19
*Crest Length (ft): 328
*Crest Width (ft): 10
*Upstream Slope XH:1V: 1
*Downstream Slope: 1
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft): 10
Bottom Drain? Y
Bottom Drain Operable? Y

Spillways

Inspection Information

*Last Inspection Date: 01/16/2010
*Type Inspection: Initial
*Inspector(s): Gantt/Swaim/Poling
*Next Routine Inspection: 01/16/2015
Comments:

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description Dan River and NC 700

Directions:

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North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Buck Steam Station Main Dam, ROWAN-047-High

General Information

Alternate names: Buck Ash Lake Dam
*Status: IMPOUNDING
*Dam Type: Earth
Dam Purposes: Tailings
Year Constructed: 1957
Region: Mooresville Regional Office
*Quadrangle: Southmont
*Latitude: 35.7110
*Longitude: -80.3633
River or Stream: Yadkin River
*River Basin: Yadkin-PeeDee
Nearest City/Town: High Rock
Distance Downstream: 12.0

Inspection Information

*Last Inspection Date: 03/23/2010
*Type Inspection: Routine
*Inspector(s): TE, ZK, HH, ASH, CW, AS
*Next Routine Inspection: 03/23/2011
Comments:

Details

*Structural Height (ft): 70
Normal Freeboard (ft): 13
*Hydraulic Height (ft): 57
*Crest Length (ft): 1,928
*Crest Width (ft): 14
*Upstream Slope XH:1V: 3.5
*Downstream Slope: 2.5
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 675
*Drainage Area (ac): 45
Surface Area (ac): 43
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 801
Bottom Drain? N
Bottom Drain Operable? U

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Environmental impact to Yadkin River and interruption of utility service

Spillways

Primary Spillway **Riser/Barrel** Barrel Type: CMP Barrel Size: 36
Riser Type: Cast in Place Concrete Riser Shape: Square Riser Size: 10 x 10

Emergency Spillway **Channel**
Bottom Width: 150 Side Slope: 2 Lining: Vegetated

Owner	Duke Power Company	Po Box 2178 Charlotte, NC 28242	704-373-4011
Primary C	Duke Energy Henry Taylor	PO Box 1006 EC11J Charlotte, NC 28201-1006	704-382-4913
Contact	Buck Steam Station, Duke Power Company Bill Wilson	1555 Dukeville Road Salisbury, NC 28146	704-645-2733
Emergency	Rowan County Emergency Management Office Frank Thomason	2727 Old Concord Rd Ste E Salisbury, NC 28146	704-216-8900

Buck Steam Station Main Dam, ROWAN-047-High

Directions: I-85 north from Salisbury, right on Long Ferry Rd. (exit 81), left on Dukeville Rd. Dike is closest to Yadkin River.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Buck Steam Station New (Additional Primary) Dam, ROWAN-068-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Tailings
Year Constructed: 1982
*Region: Mooresville Regional Office
*Quadrangle: Southmont
*Latitude: 35.7064
*Longitude: -80.3742
River or Stream: Yadkin River
*River Basin: Yadkin-PeeDee
Nearest City/Town: High Rock
Distance Downstream:

Inspection Information

*Last Inspection Date: 03/23/2010
*Type Inspection: Initial
*Inspector(s): TE, ZK, HH, ASH, CW, AS
*Next Routine Inspection: 03/23/2011
Comments:

Details

*Structural Height (ft): 74.10
Normal Freeboard (ft): 3
*Hydraulic Height (ft): 71.10
*Crest Length (ft): 2,000
*Crest Width (ft): 20
*Upstream Slope XH:1V: 2.5
*Downstream Slope: 2.5
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 696
*Drainage Area (ac): 87
Surface Area (ac): 60
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 0
Bottom Drain? N
Bottom Drain Operable? U

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Impact to Yadkin River, interruption of utility service

Spillways

Owner	Duke Power Company	Po Box 2178 Charlotte, NC 28242	704-373-4011
Primary C	Duke Energy Henry Taylor	POB 1006 Mail Code EC11J Charlotte, NC 28201	704-382-4913
Contact	Buck Steam Station, Duke Power Company Bill Wilson	1555 Dukeville Road Salisbury, NC 28146	704-645-2733
Emergency	Rowan County Emergency Management Office Frank Thomason	2727 Old Concord Rd Ste E Salisbury, NC 28146	704-216-8900

Directions: New Dike is on the right as you approach the plant on Dukeville Road.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Buck Steam Station Basin 1 to Basin 2 Dam, ROWAN-069-High

General Information

Alternate names:

*Status:	IMPOUNDING
*Dam Type:	Earth
Dam Purposes:	Tailings
Year Constructed:	1982
Region:	Mooreville Regional Office
*Quadrangle:	Southmont
*Latitude:	35.7031
*Longitude:	-80.3672
River or Stream:	Yadkin River
*River Basin:	Yadkin-PeeDee
Nearest City/Town:	High Rock
Distance Downstream:	

Inspection Information

*Last Inspection Date:	03/23/2010
*Type Inspection:	Initial
*Inspector(s):	TE, ZK, HH, ASH, CW, AS
*Next Routine Inspection:	03/23/2011
Comments:	

Details

*Structural Height (ft):	24
Normal Freeboard (ft):	6.5
*Hydraulic Height (ft):	17.5
*Crest Length (ft):	367
*Crest Width (ft):	15
*Upstream Slope XH:1V:	3
*Downstream Slope:	2.5
*Max Spillway Capacity (cfs):	
*Low Flow Requirement (cfs):	0
*Normal Pool Elevation:	696
*Drainage Area (ac):	73
Surface Area (ac):	22
Normal Pool Capacity (ac-ft):	0
*Max Pool Capacity (ac-ft):	0
Bottom Drain?	U
Bottom Drain Operable?	

Enforcement

NOD	
	Deadline Resolved?
DSO	
	Deadline Resolved?
EAP?	N
	EAP Date

Hazard Information

*Hazard Class	High
*Hazard Description	Potential failure of lower dams/dikes, impact to Yadkin River, interruption of utility service

Spillways

Primary Spillway	Riser/Barrel	Barrel Type: RCP	Barrel Size: 36
	Riser Type: Cast in Place Concrete	Riser Shape: Square	Riser Size: 10 x 10

Owner	Duke Power Company	Post Office Box 2178 Charlotte, NC 28242	704-373-4011
Primary C	Duke Energy Henry Taylor	POB 1006 Mail Code EC11J Charlotte, NC 28201	704-382-4913
Contact	Buck Steam Station, Duke Power Company Bill Wilson	1555 Dukeville Road Salisbury, NC 28146	704-645-2733
Emergency	Rowan County Emergency Management Office Frank Thomason	2727 Old Concord Rd Ste E Salisbury, NC 28146	704-216-8900

Directions: Dam is below New Dike and handles discharge from the active ash basin additional primary cell.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Buck Steam Station Basin 2 to Basin 3 Dam, ROWAN-070-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Tailings
Year Constructed: 1977
*Region: Mooresville Regional Office
*Quadrangle: Southmont
*Latitude: 35.7076
*Longitude: -80.3643
River or Stream: Yadkin River
*River Basin: Yadkin-PeeDee
Nearest City/Town: High Rock
Distance Downstream:

Inspection Information

*Last Inspection Date: 03/23/2010
*Type Inspection: Initial
*Inspector(s): TE, ZK, HH, ASH, CW, AS
*Next Routine Inspection: 03/23/2011
Comments:

Details

*Structural Height (ft): 14
Normal Freeboard (ft): 6.5
*Hydraulic Height (ft): 7.5
*Crest Length (ft): 165
*Crest Width (ft): 12
*Upstream Slope XH:1V: 2
*Downstream Slope: 2
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 682.5
*Drainage Area (ac): 73
Surface Area (ac): 22
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 0
Bottom Drain? U
Bottom Drain Operable?

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Potential failure of lower dams/dikes, impact to Yadkin River, interruption of utility service

Spillways

Primary Spillway **Riser/Barrel** Barrel Type: RCP Barrel Size: 42
Riser Type: Cast in Place Concrete Riser Shape: Square Riser Size: 11 x 11

Owner Duke Power Company Post Office Box 2178 704-373-4011
Charolotte, NC 28242
Primary C Duke Energy POB 1006 Mail Code EC11J 704-382-4913
Henry Taylor Charlotte, NC 28201
Emergency Rowan County Emergency Management Office 2727 Old Concord Rd Ste E 704-216-8900
Frank Thomason Salisbury, NC 28146

Directions: Dike handles discharge from active ash basin old primary cell

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Buck Steam Station Divider Dam, ROWAN-071-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Tailings
Year Constructed: 1977
*Region: Mooresville Regional Office
*Quadrangle: Southmont
*Latitude: 35.7098
*Longitude: -80.3641
River or Stream: Yadkin River
*River Basin: Yadkin-PeeDee
Nearest City/Town: High Rock
Distance Downstream:

Inspection Information

*Last Inspection Date: 03/23/2010
*Type Inspection: Initial
*Inspector(s): TE, ZK, HH, ASH, CW, AS
*Next Routine Inspection: 03/23/2011
Comments:

Details

*Structural Height (ft): 14
Normal Freeboard (ft): 4.3
*Hydraulic Height (ft): 9.70
*Crest Length (ft): 1,084
*Crest Width (ft): 13
*Upstream Slope XH:1V: 4
*Downstream Slope: 3.5
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 676
*Drainage Area (ac): 24
Surface Area (ac): 24
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 0
Bottom Drain? U
Bottom Drain Operable?

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Potential failure of lower dike, impact to Yadkin River, interruption of utility service

Spillways

Owner	Duke Power Company	Po Box 2178 Charlotte, NC 28242	704-373-4011
Primary C	Duke Energy Henry Taylor	POB 1006 Mail Code EC11J Charlotte, NC 28201	704-382-4913
Contact	Buck Steam Station, Duke Power Company Bill Wilson	1555 Dukeville Road Salisbury, NC 28146	704-645-2733
Emergency	Rowan County Emergency Management Office Frank Thomason	2727 Old Concord Rd Ste E Salisbury, NC 28146	704-216-8900

Directions: Intermediate dike is perpendicular to the main dike.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Buck Steam Station Fuel Containment Dam, ROWAN-072-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Tailings
Year Constructed: 0
*Region: Mooresville Regional Office
*Quadrangle: Southmont
*Latitude: 35.7108
*Longitude: -80.3722
River or Stream: Yadkin River
*River Basin: Yadkin-PeeDee
Nearest City/Town: High Rock
Distance Downstream:

Inspection Information

*Last Inspection Date: 03/23/2010
*Type Inspection: Initial
*Inspector(s): TE, ZK, HH, ASH, CW, AS
*Next Routine Inspection: 09/23/2010
Comments:
Substantial sloughing of dike walls. NOD recommended.

Details

*Structural Height (ft): 21.5
Normal Freeboard (ft): 13
*Hydraulic Height (ft): 8.5
*Crest Length (ft): 628
*Crest Width (ft): 10
*Upstream Slope XH:1V: 1
*Downstream Slope: 1
*Max Spillway Capacity (cfs): 0
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 0
*Drainage Area (ac): 0
Surface Area (ac): 0.7
Normal Pool Capacity (ac-ft): 9
*Max Pool Capacity (ac-ft): 9
Bottom Drain? Y
Bottom Drain Operable? Y

Enforcement

NOD 04/19/2010
Deadline 06/01/2010
Resolved? N
DSO
Deadline
Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Failed dike could cause significant environmental impact to Yadkin River

Spillways

Contact	Buck Steam Station, Duke Power Company Bill Wilson	1555 Dukeville Road Salisbury, NC 28146	704-645-2733
Primary C	Duke Energy Henry Taylor	POB 1006 Mail Code EC11J Charlotte, NC 28201	704-382-4913
Owner	Duke Power Company	Po Box 2178 Charlotte, NC 28242	704-373-4011
Emergency	Rowan County Emergency Management Office Frank Thomason	2727 Old Concord Rd Ste E Salisbury, NC 28146	704-216-8900

Directions: Located between the plant coal pile and Active Ash Basin Old Primary Cell.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Cliffside Inactive Ash Basin #5 Main Dam, RUTHE-070-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1972
*Region: Asheville Regional Office
*Quadrangle: Chesnee
*Latitude: 35.2156
*Longitude: -81.7687
River or Stream:
*River Basin: Broad
Nearest City/Town:
Distance Downstream:

Details

*Structural Height (ft): 97
Normal Freeboard (ft): 5
*Hydraulic Height (ft): 92
*Crest Length (ft): 1,460
*Crest Width (ft): 20
*Upstream Slope XH:1V: 2.5
*Downstream Slope: 3
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 692
*Drainage Area (ac):
Surface Area (ac): 0
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft): 0
Bottom Drain? N
Bottom Drain Operable?

Spillways

Inspection Information

*Last Inspection Date: 06/29/2010
*Type Inspection: Follow Up
*Inspector(s): ASH, RK
*Next Routine Inspection: 02/23/2011
Comments:

Dam inspection to observe seepage noted in 2/23/2010 inspection. Seepage is located at toe of dam; appears similar to previous observations.
Water level at toe of dam from beaver impoundment has been lowered by Duke personnel.

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Potential for environmental damage from coal ash release into Broad River.

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Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Cliffside Inactive Ash Basin #5 Saddle Dam, RUTHE-072-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1972
*Region: Asheville Regional Office
*Quadrangle: Chesnee
*Latitude: 35.2157
*Longitude: -81.7657
River or Stream:
*River Basin: Broad
Nearest City/Town:
Distance Downstream:

Details

*Structural Height (ft): 42
Normal Freeboard (ft): 0
*Hydraulic Height (ft): 42
*Crest Length (ft): 590
*Crest Width (ft): 20
*Upstream Slope XH:1V: 2.5
*Downstream Slope: 2.5
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft): 0
*Bottom Drain? U
Bottom Drain Operable? U

Spillways

Inspection Information

*Last Inspection Date: 02/23/2010
*Type Inspection: Initial
*Inspector(s): ASH, ZSK, TE, MN, RK
*Next Routine Inspection: 02/23/2011
Comments:

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description Potential environmental damage from coal ash release

Directions:

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North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Belew's Creek Chemical Pond, STOKE-115-Low

General Information

Alternate names:
*Status: EXEMPT
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1971
*Region: Winston-Salem Regional Office
*Quadrangle: Belews Lake
*Latitude: 36.2856
*Longitude: -80.0715
River or Stream: Tributary to Dan River
*River Basin: Roanoke
Nearest City/Town: Mayodan
Distance Downstream: 4.0

Inspection Information

*Last Inspection Date: 01/11/2010
*Type Inspection: Initial
*Inspector(s): Gantt/Poling/Idol/Swaim/W
*Next Routine Inspection: 01/11/2015
Comments:

Pond was half full during inspection. Burrows noted on upstream slope. Dam needs to be mowed. Trees on downstream slope need to be removed.

Details

*Structural Height (ft): 0
Normal Freeboard (ft): 0
*Hydraulic Height (ft): 0
*Crest Length (ft): 508
*Crest Width (ft): 20
*Upstream Slope XH:1V: 2
*Downstream Slope: 2
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation:
*Drainage Area (ac): 2
Surface Area (ac): 2
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft): 0
Bottom Drain? Y
Bottom Drain Operable? U

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description Duke Energy Ash Pond (STOKE-116). Exempt based on impoundment capacity.

Spillways

Emergency Spillway **Chute**
Chute Type: Over Fill Lining: Concrete Width: 2 Drop Height: 2
Primary Spillway **Culvert**
Siphon Type: RCP Culvert Size: 32

Owner Duke Energy PO Box 1006 704-382-4913
Henry Taylor EC11J
Charlotte, NC 28201-1006

Directions: US 311 out of Winston-Salem to Pine hall Road in Belews Creek.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Duke Energy Belew's Creek Ash Pond, STOKE-116-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Tailings
Year Constructed: 1971
*Region: Winston-Salem Regional Office
*Quadrangle: Belews Lake
*Latitude: 36.2965
*Longitude: -80.0751
River or Stream: Tributary to Dan River
*River Basin: Roanoke
Nearest City/Town: Mayodan
Distance Downstream: 4.0

Inspection Information

*Last Inspection Date: 01/11/2010
*Type Inspection: Initial
*Inspector(s): Gantt/Poling/Idol/Swaim/W
*Next Routine Inspection: 01/11/2011
Comments:

Seepage noted out of numerous drains. Seepage noted out of rip rap on lower left and right sides. Upstream slope needs to be mowed.

Details

*Structural Height (ft): 135
Normal Freeboard (ft): 12
*Hydraulic Height (ft): 123
*Crest Length (ft): 1,900
*Crest Width (ft): 20
*Upstream Slope XH:1V: 2
*Downstream Slope: 2.5
*Max Spillway Capacity (cfs): 0
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 760
*Drainage Area (ac): 0
Surface Area (ac): 0
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 0
Bottom Drain? Y
Bottom Drain Operable? U

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description SR 1909 and Dan River

Spillways

Primary Spillway	Riser/Barrel	Barrel Type: RCP	Barrel Size: 24
	Riser Type: Pre Cast Concrete	Riser Shape: Square	Riser Size: 96 x 96
Emergency Spillway	Other		
	None		

Owner	Duke Energy Henry Taylor	PO Box 1006 EC11J Charlotte, NC 28201-1006	704-382-4913
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Directions: US 311 out of Winston-Salem to Pine Hall Road in Belew's Creek.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Duke Energy Belew's Creek Saddle Dike #1, STOKE-117-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1971
*Region: Winston-Salem Regional Office
*Quadrangle: Belews Lake
*Latitude: 36.3143
*Longitude: -80.0402
River or Stream: Tributary to Dan River
*River Basin: Roanoke
Nearest City/Town: Mayodan
Distance Downstream: 4.0

Details

*Structural Height (ft): 61.5
Normal Freeboard (ft): 18
*Hydraulic Height (ft): 43.5
*Crest Length (ft): 750
*Crest Width (ft): 20
*Upstream Slope XH:1V: 2
*Downstream Slope: 2.5
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 725
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft): 0
Bottom Drain? N
Bottom Drain Operable? N

Spillways

Primary Spillway	Other
	No spillway - impoundment dike
Emergency Spillway	Other
	No spillway - impoundment dike

Inspection Information

*Last Inspection Date: 01/12/2010
*Type Inspection: Initial
*Inspector(s): Gantt/Poling/Idol/Swaim/W
*Next Routine Inspection: 01/12/2011
Comments:
Seepage noted at toe of dike. Appeared to be concentrated on left side. Upstream slope needs to be mowed.

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description SR 1903 and Dan River

Owner	Duke Energy Henry Taylor	PO Box 1006 EC11J Charlotte, NC 28201-1006	704-382-4913
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Directions: US 311 out of Winston-Salem to Pine Hall Road in Belew's Creek.

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Duke Energy Belew's Creek Saddle Dike #2, STOKE-118-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1971
*Region: Winston-Salem Regional Office
*Quadrangle: Belews Lake
*Latitude: 36.3176
*Longitude: -80.0359
River or Stream: Tributary to Dan River
*River Basin: Roanoke
Nearest City/Town: Mayodan
Distance Downstream: 4.0

Details

*Structural Height (ft): 83
Normal Freeboard (ft): 18
*Hydraulic Height (ft): 65
*Crest Length (ft): 1,926
*Crest Width (ft): 20
*Upstream Slope XH:1V: 2.5
*Downstream Slope: 2.5
*Max Spillway Capacity (cfs): 0
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 725
*Drainage Area (ac): 0
Surface Area (ac): 0
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 0
Bottom Drain? N
Bottom Drain Operable? N

Spillways

Primary Spillway **Other**
No spillway - impoundment dike
Emergency Spillway **Other**
No spillway - impoundment dike

Inspection Information

*Last Inspection Date: 01/12/2010
*Type Inspection: Initial
*Inspector(s): Gantt/Poling/Idol/Swaim/W
*Next Routine Inspection: 01/12/2011
Comments:

Seepage noted at toe of dam. Upstream slope needs to be cleared. Dam is in good shape.

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description SR 1903 and Dan River

Owner Duke Energy PO Box 1006 704-382-4913
Henry Taylor EC11J
Charlotte, NC 28201-1006

Directions: US 311 out of Winston-Salem to Pine Hall Road in Belew's Creek

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 03, 2010

Land Quality Section

Duke Energy Belew's Creek Saddle Dike #3, STOKe-119-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1971
*Region: Winston-Salem Regional Office
*Quadrangle: Belews Lake
*Latitude: 36.3196
*Longitude: -80.0336
River or Stream: Tributary to Dan River
*River Basin: Roanoke
Nearest City/Town: Mayodan
Distance Downstream: 4.0

Inspection Information

*Last Inspection Date: 01/12/2010
*Type Inspection: Initial
*Inspector(s): Gantt/Poling/Idol/Swaim/W
*Next Routine Inspection: 01/12/2011
Comments:
No problems noted with dam.

Details

*Structural Height (ft): 21.1
Normal Freeboard (ft): 18
*Hydraulic Height (ft): 3.1
*Crest Length (ft): 846
*Crest Width (ft): 20
*Upstream Slope XH:1V: 2
*Downstream Slope: 2.5
*Max Spillway Capacity (cfs): 0
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 725
*Drainage Area (ac): 0
Surface Area (ac): 0
Normal Pool Capacity (ac-ft): 0
*Max Pool Capacity (ac-ft): 0
Bottom Drain? N
Bottom Drain Operable? N

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description SR 1903 and Dan River

Spillways

Primary Spillway **Other**
No spillway - impoundment dike
Emergency Spillway **Other**
No spillway - impoundment dike

Owner Duke Energy PO Box 1006 704-382-4913
Henry Taylor EC11J
Charlotte, NC 28201-1006

Directions: US 311 out of Winston-Salem to Pine Hall Road in Belew's Creek

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

H.F. Lee Power Station Cooling Lake Dam, WAYNE-009-High

General Information

Alternate names: Quaker Neck Cooling Lake Dam
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1955
*Region: Washington Regional Office
*Quadrangle: Northwest Goldsboro
*Latitude: 35.381
*Longitude: -78.085
River or Stream: Neuse Riv Off Stream
*River Basin: Neuse
Nearest City/Town: Goldsboro
Distance Downstream: 10.0

Inspection Information

*Last Inspection Date: 02/15/2010
*Type Inspection: Other
*Inspector(s): S. McEvoy, R. Belvin, PH
*Next Routine Inspection: 02/15/2011
Comments:

Details

*Structural Height (ft): 17
Normal Freeboard (ft): 3
*Hydraulic Height (ft): 14
*Crest Length (ft): 24,288
*Crest Width (ft): 10
*Upstream Slope XH:1V: 3
*Downstream Slope: 3
*Max Spillway Capacity (cfs): 0
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 80
*Drainage Area (ac): 545
Surface Area (ac): 545
Normal Pool Capacity (ac-ft): 3,808
*Max Pool Capacity (ac-ft): 5,446
Bottom Drain? N
Bottom Drain Operable? N

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class High
*Hazard Description residential area below dam

Spillways

Owner	Carolina Power & Light	P. O. Box 1551 Raleigh, NC 27602	999-999-9999
Owner	Progress Energy Carolinas, Inc. Fred Holt	PO Box 1551 PEB 4 Raleigh, NC 27602	919-632-8165

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

H.F. Lee Active Ash Pond, WAYNE-022-High

General Information

Alternate names:
*Status: IMPOUNDING
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1982
*Region: Washington Regional Office
*Quadrangle: Northwest Goldsboro
*Latitude: 35.3791
*Longitude: -78.0698
River or Stream: Neuse
*River Basin: Neuse
Nearest City/Town: Goldsboro
Distance Downstream: 10.0

Inspection Information

*Last Inspection Date: 02/16/2010
*Type Inspection: Other
*Inspector(s): S. McEvoy, R. Belvin, PHM
*Next Routine Inspection: 02/24/2011
Comments:

Details

*Structural Height (ft): 17
Normal Freeboard (ft): 3
*Hydraulic Height (ft): 14
*Crest Length (ft): 3,333
*Crest Width (ft): 333
*Upstream Slope XH:1V: 3.3
*Downstream Slope: 3.3
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs): 0
*Normal Pool Elevation: 138
*Drainage Area (ac):
Surface Area (ac): 400
Normal Pool Capacity (ac-ft): 2,240
*Max Pool Capacity (ac-ft): 2,720
Bottom Drain? N
Bottom Drain Operable? N

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? Y
EAP Date 01/01/1000

Hazard Information

*Hazard Class High
*Hazard Description Unknown

Spillways

Owner	Carolina Power & Light	P. O. Box 1551 Raleigh, NC 27602	999-999-9999
Contact	NCUC Roy Ericson	4325 Mail Service Center Raleigh, NC 27699-4325	919-733-0849
Owner	Progress Energy Carolinas, Inc. Fred Holt	PO Box 1551 PEB 4 Raleigh, NC 27602	919-632-8165

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

H.F. Lee Ash Pond 1 (Inactive), WAYNE-031-Low

General Information

Alternate names:
*Status: EXEMPT
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1950
*Region: Washington Regional Office
*Quadrangle: Northwest Goldsboro
*Latitude: 35.3813
*Longitude: -78.1102
River or Stream: Neuse
*River Basin: Neuse
Nearest City/Town:
Distance Downstream:

Inspection Information

*Last Inspection Date: 02/16/2010
*Type Inspection: Initial
*Inspector(s): R. Belvin, P. McClain
*Next Routine Inspection: 02/16/2020
Comments:

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
Bottom Drain?
Bottom Drain Operable?

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description none

Spillways

Owner

Progress Energy Carolinas, Inc.
Fred Holt

PO Box 1551 PEB 4
Raleigh, NC 27602

919-632-8165

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

H. F. Lee Ash Pond 2 (Inactive), WAYNE-032-Low

General Information

Alternate names:
*Status: EXEMPT
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1955
*Region: Washington Regional Office
*Quadrangle: Northwest Goldsboro
*Latitude: 35.3828
*Longitude: -78.1041
River or Stream: neuse
*River Basin: Neuse
Nearest City/Town:
Distance Downstream:

Inspection Information

*Last Inspection Date: 02/16/2010
*Type Inspection: Initial
*Inspector(s): R. Belvin, P. McClain
*Next Routine Inspection: 02/16/2030
Comments:

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
Bottom Drain?
Bottom Drain Operable?

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description non

Spillways

Owner

Progress Energy Carolinas, Inc.
Fred Holt

PO Box 1551 PEB 4
Raleigh, NC 27602

919-632-8165

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

H. F. Lee Ash Pond 3 (Inactive), WAYNE-033-Low

General Information

Alternate names:
*Status: EXEMPT
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1962
*Region: Washington Regional Office
*Quadrangle: Northwest Goldsboro
*Latitude: 35.3758
*Longitude: -78.1069
River or Stream: Neuse
*River Basin: Neuse
Nearest City/Town: goldsboro
Distance Downstream:

Inspection Information

*Last Inspection Date: 02/16/2010
*Type Inspection: Initial
*Inspector(s): R. Belvin, P. McClain
*Next Routine Inspection: 02/16/2030
Comments:
exempt

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
Bottom Drain?
Bottom Drain Operable?

Enforcement

NOD
Deadline Resolved?
DSO
Deadline Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description none

Spillways

Owner

Progress Energy Carolinas, Inc.
Fred Holt

PO Box 1551 PEB 4
Raleigh, NC 27602

919-632-8165

Directions:

North Carolina Department of Environment and Natural Resources

Division of Land Resources

August 04, 2010

Land Quality Section

H. F. Lee Triangular Pond, WAYNE-034-Low

General Information

Alternate names:
*Status: EXEMPT
*Dam Type: Earth
*Dam Purposes: Other
Year Constructed: 1985
*Region: Washington Regional Office
*Quadrangle: Northwest Goldsboro
*Latitude: 35.3830
*Longitude: -78.0823
River or Stream: Neuse
*River Basin: Neuse
Nearest City/Town: Goldsboro
Distance Downstream:

Inspection Information

*Last Inspection Date: 02/17/2010
*Type Inspection: Initial
*Inspector(s): R. Belvin, P. McClain
*Next Routine Inspection: 02/17/2030
Comments:
Exempt by size and ht.

Details

*Structural Height (ft):
Normal Freeboard (ft):
*Hydraulic Height (ft):
*Crest Length (ft):
*Crest Width (ft):
*Upstream Slope XH:1V:
*Downstream Slope:
*Max Spillway Capacity (cfs):
*Low Flow Requirement (cfs):
*Normal Pool Elevation:
*Drainage Area (ac):
Surface Area (ac):
Normal Pool Capacity (ac-ft):
*Max Pool Capacity (ac-ft):
Bottom Drain?
Bottom Drain Operable?

Enforcement

NOD
Deadline
Resolved?
DSO
Deadline
Resolved?
EAP? N
EAP Date

Hazard Information

*Hazard Class Low
*Hazard Description none

Spillways

Owner

Progress Energy Carolinas, Inc.
Fred Holt

PO Box 1551 PEB 4
Raleigh, NC 27602

919-632-8165

Directions: