



North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

John E. Skvarla, III
Secretary

September 30, 2014

NOTICE OF INSPECTION

Duke Energy Carolinas
Ms. Kimberlee Hutchinson, PE
PO Box 1006
Charlotte, North Carolina 28201

RE: Asheville 1964 Ash Pond Dam (State ID No. - BUNCO-097)
Dam Hazard Potential: High; Buncombe County

Dear Ms. Hutchinson:

The Dam Safety Law of 1967 provides for the certification and inspection of dams in the public interest. Our records indicate you are the owner of the referenced dam, which was inspected by personnel of this office on August 27, 2014. The inspection revealed no problems that require your immediate attention.

Please be advised that though we make every reasonable effort to determine the safety of your dam, our resources limit us to surficial inspection. There is no certainty regarding the internal stability of the dam. Dams, and especially their spillways and conduits, deteriorate with age. Therefore, you are advised to keep a close watch on your dam and to notify this office if you detect any changes, especially cracks, ground movements, or changes in seepage rate or color.

During this inspection we also investigated the potential for property damage and loss of life in the event that the subject dam fails. This investigation determined that failure of the dam could result in damage to Interstate 26 and potential loss of life. Therefore, we continue to list this dam in the "High Hazard Potential" category. Please be advised that hazard classifications are subject to revision due to changes in downstream conditions and/or plant operating procedures.

Although the inspections by our staff are relatively infrequent and offer no absolute safety guarantees, we hope that you will use the information provided in this letter as you fulfill your obligation to safely maintain and operate your dam. In order to keep records up-to-date and serve you better, please notify this office concerning any changes in address or ownership. Your cooperation is appreciated.

Division of Energy, Mineral, and Land Resources - Land Quality Section
Asheville Regional Office, 2090 US Highway 70, Swannanoa, North Carolina, 28778-8211
Telephone 828-296-4500 Fax 828-299-7043
<http://portal.ncdenr.org/group/lr/land-quality>

An Equal Opportunity / Affirmative Action Employer

One
North Carolina
Naturally

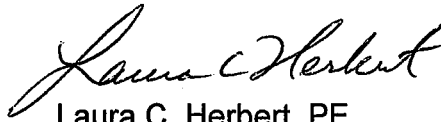
As a dam owner, you may incur liability should your dam have a problem or fail, if such results in loss of life or property damage downstream. It is requested that you update the EAP on file dated September 2014, if any changes occur to the dam or downstream. Please update all downstream hazards and verify all contact information. North Carolina has recently completed and adopted an EAP template for owners of high hazard dams. The template and associated guidance can be obtained by visiting the Dam Safety Programs website (<http://portal.ncdenr.org/web/lr/dams>) or by calling Dam Safety Program staff at (919) 707-9220.

All updated EAPs shall be in this required format. Two copies of the EAP should be submitted to the Division of Energy, Mineral, and Land Resources, Attn: Dam Safety Program, 1612 Mail Service Center, Raleigh, North Carolina 27699-1612.

If you have an emergency situation during non-office hours, you should notify the Division of Emergency Management's State Warning Point at 1-800-858-0368. They will notify the appropriate personnel in this office of the situation.

Should you have any questions concerning this inspection, please contact Fred Walker or me at (828) 296-4500.

Sincerely,

A handwritten signature in cursive script that reads "Laura C. Herbert".

Laura C. Herbert, PE
Regional Engineer
Land Quality Section

SAFETY INSPECTION REPORT

NAME 1964 Ash Pond Dam		COUNTY BUNCO	NO. 097	INSPECTED BY FLW, KH, MR	DATE 8/27/14
OWNER Duke Energy Progress		ADDRESS 			
TYPE DAM <input checked="" type="checkbox"/> Embankment <input type="checkbox"/> Concrete gravity <input type="checkbox"/> Concrete arch <input type="checkbox"/> Other <input type="checkbox"/> Concrete buttress <input type="checkbox"/> Stone masonry		TYPE INSPECTION <input type="checkbox"/> Initial <input type="checkbox"/> Followup <input checked="" type="checkbox"/> Periodic <input type="checkbox"/> Other		SITE CONDITIONS <input checked="" type="checkbox"/> Dry <input type="checkbox"/> Snowcover <input type="checkbox"/> Wet <input type="checkbox"/> Other	
HAZARD DESCRIPTION I-26		HAZARD CLASS <input type="checkbox"/> Low (A) <input type="checkbox"/> Intermediate (B) <input checked="" type="checkbox"/> High (C)			
REMARKS Not a full inspection, training for FLW.		ACTION <input type="checkbox"/> None <input type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Minor repair <input type="checkbox"/> Engineering		RECOMMENDATIONS <input checked="" type="checkbox"/> Inspection letter <input type="checkbox"/> Inspection by DSE <input type="checkbox"/> Deficiency letter <input type="checkbox"/> Dam safety order <input type="checkbox"/> RE notice <input type="checkbox"/> Enforcement <input type="checkbox"/> Engineering study <input type="checkbox"/> Periodic reinspection <input type="checkbox"/> Inspection by RE <input type="checkbox"/> Other reinspection	

AREA	PROBLEMS	COMMENTS
UPSTREAM SLOPE / FACE	<input checked="" type="checkbox"/> 1. None <input type="checkbox"/> 11. Displaced rip rap <input type="checkbox"/> 2. Trees <input type="checkbox"/> 12. Cracks <input type="checkbox"/> 3. High bushes <input type="checkbox"/> 13. Undermining <input type="checkbox"/> 4. Burrows <input type="checkbox"/> 14. Holes <input type="checkbox"/> 5. Wave erosion <input type="checkbox"/> 15. Spalling <input type="checkbox"/> 6. Livestock damage <input type="checkbox"/> 16. Displaced joints <input type="checkbox"/> 7. Slides <input type="checkbox"/> 17. Deteriorated joints <input type="checkbox"/> 8. Depressions <input type="checkbox"/> 18. Exposed reinforcement <input type="checkbox"/> 9. Bulges <input type="checkbox"/> 19. Other <input type="checkbox"/> 10. Sparse rip rap	COVER: <input checked="" type="checkbox"/> Vegetation <input type="checkbox"/> Rip rap <input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Other
TOP OF DAM	<input checked="" type="checkbox"/> 1. None <input type="checkbox"/> 11. Cracks <input type="checkbox"/> 2. Trees <input type="checkbox"/> 12. Spalling <input type="checkbox"/> 3. High bushes <input type="checkbox"/> 13. Deteriorated joints <input type="checkbox"/> 4. Burrows <input type="checkbox"/> 14. Displaced joints <input type="checkbox"/> 5. Ruts <input type="checkbox"/> 15. Exposed reinforcement <input type="checkbox"/> 6. Livestock damage <input type="checkbox"/> 16. Other <input type="checkbox"/> 7. Depressions <input type="checkbox"/> 8. Unevel <input type="checkbox"/> 9. Misalignment <input type="checkbox"/> 10. Has overtopped	COVER: <input type="checkbox"/> Vegetation <input checked="" type="checkbox"/> Gravel <input type="checkbox"/> Concrete <input type="checkbox"/> Asphalt <input type="checkbox"/> Other
DOWNSTREAM SLOPE / FACE	<input checked="" type="checkbox"/> 1. None <input type="checkbox"/> 11. Seepage <input type="checkbox"/> 2. Trees <input type="checkbox"/> 12. Boils <input type="checkbox"/> 3. High bushes <input type="checkbox"/> 13. Cracks <input type="checkbox"/> 4. Burrows <input type="checkbox"/> 14. Holes <input type="checkbox"/> 5. Erosion <input type="checkbox"/> 15. Spalling <input type="checkbox"/> 6. Livestock damage <input type="checkbox"/> 16. Displaced joints <input type="checkbox"/> 7. Slides <input type="checkbox"/> 17. Deteriorated joints <input type="checkbox"/> 8. Depressions <input type="checkbox"/> 18. Exposed reinforcement <input type="checkbox"/> 9. Bulges <input type="checkbox"/> 19. Other <input type="checkbox"/> 10. Wetness	COVER: <input checked="" type="checkbox"/> Vegetation <input checked="" type="checkbox"/> Rip rap <input type="checkbox"/> Concrete <input type="checkbox"/> Other
TOE CONTACT	<input checked="" type="checkbox"/> 1. None <input type="checkbox"/> 11. Seepage <input type="checkbox"/> 2. Trees <input type="checkbox"/> 12. Boils <input type="checkbox"/> 3. High bushes <input type="checkbox"/> 13. Cracks <input type="checkbox"/> 4. Burrows <input type="checkbox"/> 14. Holes <input type="checkbox"/> 5. Erosion <input type="checkbox"/> 15. Spalling <input type="checkbox"/> 6. Livestock damage <input type="checkbox"/> 16. Displaced joints <input type="checkbox"/> 7. Slides <input type="checkbox"/> 17. Deteriorated joints <input type="checkbox"/> 8. Depressions <input type="checkbox"/> 18. Exposed reinforcement <input type="checkbox"/> 9. Bulges <input type="checkbox"/> 19. Undermining <input type="checkbox"/> 10. Wetness <input type="checkbox"/> 20. Other	COVER: <input type="checkbox"/> Vegetation <input checked="" type="checkbox"/> Rip rap <input type="checkbox"/> Concrete <input type="checkbox"/> Other

AREA		PROBLEMS	COMMENTS
CONTACTS	ADJUTMENT	<input checked="" type="checkbox"/> 1. None <input type="checkbox"/> 11. Seepage <input type="checkbox"/> 2. Trees <input type="checkbox"/> 12. Bolls <input type="checkbox"/> 3. High bushes <input type="checkbox"/> 13. Cracks <input type="checkbox"/> 4. Burrows <input type="checkbox"/> 14. Holes <input type="checkbox"/> 5. Erosion <input type="checkbox"/> 15. Spalling	COVER: <input checked="" type="checkbox"/> Vegetation <input type="checkbox"/> Rip rap <input type="checkbox"/> Concrete <input type="checkbox"/> Other
		<input type="checkbox"/> 6. Livestock damage <input type="checkbox"/> 16. Displaced joints <input type="checkbox"/> 7. Sides <input type="checkbox"/> 17. Deteriorated joints <input type="checkbox"/> 8. Depressions <input type="checkbox"/> 18. Exposed reinforcement <input type="checkbox"/> 9. Bulges <input type="checkbox"/> 19. Undermining <input type="checkbox"/> 10. Wetness <input type="checkbox"/> 20. Other	
PRINCIPAL SPILLWAY		<input checked="" type="checkbox"/> 1. None <input type="checkbox"/> 11. Joint displacement <input type="checkbox"/> 2. No trashguard <input type="checkbox"/> 12. Undermined <input type="checkbox"/> 3. Obstructed <input type="checkbox"/> 13. Voids <input type="checkbox"/> 4. Plugged <input type="checkbox"/> 14. Erosion <input type="checkbox"/> 5. Rusted <input type="checkbox"/> 15. Holes <input type="checkbox"/> 6. Damaged <input type="checkbox"/> 16. Conduit collapsed <input type="checkbox"/> 7. Gates leaking <input type="checkbox"/> 17. Spalling <input type="checkbox"/> 8. Joints leaking <input type="checkbox"/> 18. Outlet undercutting <input type="checkbox"/> 9. Cracks <input type="checkbox"/> 19. Misalignment <input type="checkbox"/> 10. Joint deterioration <input type="checkbox"/> 20. Other	TYPE/SIZE: <i>N/A - drained</i>
EMERGENCY SPILLWAY		<input checked="" type="checkbox"/> 1. None <input type="checkbox"/> 11. Joint displacement <input type="checkbox"/> 2. No ES <input type="checkbox"/> 12. Undermining <input type="checkbox"/> 3. Same as PS <input type="checkbox"/> 13. Voids <input type="checkbox"/> 4. Obstructed <input type="checkbox"/> 14. Holes <input type="checkbox"/> 5. Erosion <input type="checkbox"/> 15. Exposed reinforcement <input type="checkbox"/> 6. Displaced rip rap <input type="checkbox"/> 16. Spalling <input type="checkbox"/> 7. Sparse rip rap <input type="checkbox"/> 17. Outlet erosion <input type="checkbox"/> 8. Joints leaking <input type="checkbox"/> 18. Misalignment <input type="checkbox"/> 9. Cracks <input type="checkbox"/> 19. Inadequate capacity <input type="checkbox"/> 10. Joint deterioration <input type="checkbox"/> 20. Other	TYPE/SIZE: <i>N/A - drained</i>
DRAINS / OTHER OUTLETS		<input checked="" type="checkbox"/> 1. None <input type="checkbox"/> 2. No bottom drain <input type="checkbox"/> 3. Bottom drain inoperable <input type="checkbox"/> 4. Subsurface drain dry <input type="checkbox"/> 5. Subsurface drain muddy flow <input type="checkbox"/> 6. Subsurface drain obstructed <input type="checkbox"/> 7. No animal guard <input type="checkbox"/> 8. Other	TYPE:
		<i>Toe drains flowing at inspection. Could not observe flow due to junction box depth.</i>	
SKETCHES/COMMENTS			