

DAM SAFETY INSPECTION REPORT

NAME CAPE FEAR PLT, #103 ASH POND		COUNTY CHATH	NO. 076	INSPECTED BY JLH/AR	DATE 2-21-14	
OWNER DUKE PROGRESS		ADDRESS FILE			PHONE FILE	
TYPE DAM ☒ Embankment ☐ Concrete gravity ☐ Concrete arch ☐ Other ☐ Concrete buttress ☐ Stone masonry		TYPE INSPECTION ☐ Initial ☐ Followup ☒ Periodic ☐ Other		SITE CONDITIONS ☐ Dry ☐ Snowcover ☒ Wet ☐ Other		
HAZARD DESCRIPTION RIVER NEARBY / MATERIAL COMPOSITION				HAZARD CLASS ☐ Low (A) ☐ Intermediate (B) ☒ High (C)		
REMARKS — OVERALL CONDITION STILL APPEARS STABLE W/ OLDER SLOPE COND. SUCCESSFULLY STABILIZED. ONE CONC. SHEEP NOTED W/ NO DISTRESS. CONTINUE TO MONITOR.			ACTION ☐ None ☐ Maintenance ☒ Monitoring ☐ Minor repair ☒ Engineering		RECOMMENDATIONS ☒ Inspection letter ☐ Deficiency letter ☐ RE notice ☐ Engineering study ☐ Inspection by RE ☐ Inspection by DSE ☐ Dam safety order ☐ Enforcement ☒ Periodic reinspection ☒ Other reinspection AS NEEDED	
AREA	PROBLEMS		COMMENTS			
UPSTREAM SLOPE / FACE	☒ 1. None ☐ 11. Displaced rip rap ☐ 2. Trees ☐ 12. Cracks ☐ 3. High bushes ☐ 13. Undermining ☐ 4. Burrows ☐ 14. Holes ☐ 5. Wave erosion ☐ 15. Spalling ☐ 6. Livestock damage ☐ 16. Displaced joints ☐ 7. Slides ☐ 17. Deteriorated joints ☐ 8. Depressions ☐ 18. Exposed reinforcement ☐ 9. Bulges ☐ 19. Other ☐ 10. Sparse rip rap		COVER: ☒ Vegetation ☐ Rip rap ☐ Concrete ☐ Asphalt ☐ Other REPAIRING DECOMM.			
TOP OF DAM	☒ 1. None ☐ 11. Cracks ☐ 2. Trees ☐ 12. Spalling ☐ 3. High bushes ☐ 13. Deteriorated joints ☐ 4. Burrows ☐ 14. Displaced joints ☐ 5. Pits ☐ 15. Exposed reinforcement ☐ 6. Livestock damage ☐ 16. Other ☐ 7. Depressions ☐ 8. Uneven ☐ 9. Misalignment ☐ 10. Has overtopped		COVER: ☒ Vegetation ☐ Gravel ☐ Concrete ☐ Asphalt ☒ Other ACCESS RD. 1- NO APPARENT PROBLEMS. SOME MINOR RUTTING IN ROADWAY WAS NOTED.			
DOWNSTREAM SLOPE / FACE	☐ 1. None ☐ 11. Seepage ☒ 2. Trees ☐ 12. Boils ☐ 3. High bushes ☐ 13. Cracks ☒ 4. Burrows ☐ 14. Holes ☒ 5. Erosion ☐ 15. Spalling ☐ 6. Livestock damage ☐ 16. Displaced joints ☒ 7. Slides ☐ 17. Deteriorated joints ☒ 8. Depressions ☐ 18. Exposed reinforcement ☒ 9. Bulges ☐ 19. Other ☐ 10. Wetness		COVER: ☒ Vegetation ☐ Rip rap ☐ Concrete ☐ Other 2,4,5,7,8 & 9 - NO NOTEWORTHY CHANGES NOTED. DOWNED TREES & SLOPE IRREGULARITIES ARE LONG-STANDING WITH NO STRUCTURAL DISTRESS INDICATED.			
TOE CONTACT	☐ 1. None ☒ 11. Seepage ☐ 2. Trees ☐ 12. Boils ☐ 3. High bushes ☐ 13. Cracks ☐ 4. Burrows ☐ 14. Holes ☒ 5. Erosion ☐ 15. Spalling ☐ 6. Livestock damage ☐ 16. Displaced joints ☐ 7. Slides ☐ 17. Deteriorated joints ☐ 8. Depressions ☐ 18. Exposed reinforcement ☐ 9. Bulges ☐ 19. Undermining ☒ 10. Wetness ☐ 20. Other		COVER: ☒ Vegetation ☐ Rip rap ☐ Concrete ☐ Other 5- MINOR W/ RESPECT TO MONITORING WALL ACCESS; MOST FEATURES ARE OLD AND APPEAR STABLE AT THIS TIME. 10-11 - CONCENTRATED SEEP OBSERVED ABOUT 400' US ASH RIVER FROM 1ST SET OF MONITORING WELLS GOING IN FROM NORTHEAST. FLOW IS CLEAR AND SURROUNDING SOILS APPEAR FIRM WHEN PROBED. IRON OXIDE PRECIP. NOTED; SEVERAL GPM FLOW NOTED. NO DISTRESS OBSERVED @ EMBANKMENT, AND AREA APPEARS IMPACTED BY ACCESS RD. / PATH.			

AREA		PROBLEMS	COMMENTS
ADJUTANT CONTACTS	☒ 1. None ☐ 2. Trees ☐ 3. High bushes ☐ 4. Burrows ☐ 5. Erosion ☐ 6. Livestock damage ☐ 7. Slides ☐ 8. Depressions ☐ 9. Bulges ☐ 10. Wetness ☐ 11. Seepage ☐ 12. Boils ☐ 13. Cracks ☐ 14. Holes ☐ 15. Spalling ☐ 16. Displaced joints ☐ 17. Deteriorated joints ☐ 18. Exposed reinforcement ☐ 19. Undermining ☐ 20. Other	COVER: ☒ Vegetation ☐ Rip rap ☐ Concrete ☐ Other	
PRINCIPAL SPILLWAY	☒ 1. None ☐ 2. No trashguard ☐ 3. Obstructed ☐ 4. Plugged ☐ 5. Rusted ☐ 6. Damaged ☐ 7. Gates leaking ☐ 8. Joints leaking ☐ 9. Cracks ☐ 10. Joint deterioration ☐ 11. Joint displacement ☐ 12. Undermined ☐ 13. Voids ☐ 14. Erosion ☐ 15. Holes ☐ 16. Conduit collapsed ☐ 17. Spalling ☐ 18. Outlet undercutting ☐ 19. Misalignment ☐ 20. Other	TYPE/SIZE: SURFACE DRAIN TO 1970 POND VIA BREACHED SEPARATION DIKE	
EMERGENCY SPILLWAY	☐ 1. None ☐ 2. No ES ☒ 3. Same as PS ☐ 4. Obstructed ☐ 5. Erosion ☐ 6. Displaced rip rap ☐ 7. Sparse rip rap ☐ 8. Joints leaking ☐ 9. Cracks ☐ 10. Joint deterioration ☐ 11. Joint displacement ☐ 12. Undermining ☐ 13. Voids ☐ 14. Holes ☐ 15. Exposed reinforcement ☐ 16. Spalling ☐ 17. Outlet erosion ☐ 18. Misalignment ☐ 19. Inadequate capacity ☐ 20. Other	TYPE/SIZE:	
DRAINS / OTHER OUTLETS	☐ 1. None ☒ 2. No bottom drain ☐ 3. Bottom drain inoperable ☐ 4. Subsurface drain dry ☐ 5. Subsurface drain muddy flow ☐ 6. Subsurface drain obstructed ☐ 7. No animal guard ☐ 8. Other	TYPE:	

SKETCHES/COMMENTS

— POND IS INACTIVE

— DISCUSSED MONITORING w/ COMPANY OFFICIALS @ SITE, WITH PARTICULAR ATTENTION GIVEN TO SEEP OBSERVED. IT WAS INDICATED THAT CONSULTANT (MACTECH) IS AWARE OF SEEP AND IT IS INCLUDED IN CO.'S REGULAR MONITORING.