

SAFETY INSPECTION REPORT

NAME <i>DAN RIVER SECONDARY ASH POND</i>		COUNTY <i>Rockingham</i>	NO. <i>238</i>	INSPECTED BY <i>S. LEONARD / M. GANTT</i>	DATE <i>2/3/14</i>
OWNER <i>Duke Energy</i>		ADDRESS			PHONE
TYPE DAM ☐ Concrete gravity ☐ Concrete arch ☐ Other ☒ Embankment ☐ Concrete buttress ☐ Stone masonry		TYPE INSPECTION ☐ Initial ☐ Followup ☒ Periodic ☐ Other		SITE CONDITIONS ☐ Dry ☐ Snowcover ☒ Wet ☐ Other damp	
HAZARD DESCRIPTION <i>DAN RIVER</i>				HAZARD CLASS ☐ Low (A) ☐ Intermediate (B) ☒ High (C)	
REMARKS		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	
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 <i>3. TIME TO CUT HIGH BUSHES ALONG WATER'S EDGE. REMAINING W.S. IS BEING MOVED.</i>			
	☒ 1. None ☐ 11. Cracks ☐ 2. Trees ☐ 12. Spalling ☐ 3. High bushes ☐ 13. Deteriorated joints ☐ 4. Burrows ☐ 14. Displaced joints ☐ 5. Ruts ☐ 15. Exposed reinforcement ☐ 6. Livestock damage ☐ 16. Other ☐ 7. Depressions ☐ 8. Uneven ☐ 9. Misalignment ☐ 10. Has overtopped	COVER: ☒ Vegetation ☒ Gravel ☐ Concrete ☐ Asphalt ☐ Other <i>1. NO PROBLEMS - MOVED.</i>			
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 <i>2, 3. NEED TO REMOVE ON NE SIDE OF DAM 19. REPAIRED AREAS LOOK GOOD. NO SIGNS OF SEEPAGE.</i>			
	☐ 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 <i>2, 3. NEED TO REMOVE ON NE SIDE OF DAM. 20. NO AREAS OF SEEPAGE ALONG TOE WAS OBSERVED.</i>			

AREA	PROBLEMS	COMMENTS
ADJUTANT CONTACTS	☒ 1. None ☐ 11. Seepage ☐ 2. Trees ☐ 12. Bolls ☐ 3. High bushes ☐ 13. Cracks ☐ 4. Burrows ☐ 14. Holes ☐ 5. Erosion ☐ 15. Spalling ☐ 6. Livestock damage ☐ 16. Displaced joints ☐ 7. Sides ☐ 17. Deteriorated joints ☐ 8. Depressions ☐ 18. Exposed reinforcement ☐ 9. Bulges ☐ 19. Undermining ☐ 10. Wetness ☐ 20. Other	COVER: ☒ Vegetation ☐ Rip rap ☐ Concrete ☐ Other 1. NO PROBLEMS.
PRINCIPAL SPILLWAY	☒ 1. None ☐ 11. Joint displacement ☐ 2. No trashguard ☐ 12. Undermined ☐ 3. Obstructed ☐ 13. Voids ☐ 4. Plugged ☐ 14. Erosion ☐ 5. Rusted ☐ 15. Holes ☐ 6. Damaged ☐ 16. Conduit collapsed ☐ 7. Gates leaking ☐ 17. Spalling ☐ 8. Joints leaking ☐ 18. Outlet undercutting ☐ 9. Cracks ☐ 19. Misalignment ☐ 10. Joint deterioration ☐ 20. Other	TYPE/SIZE: 5'8" X 6'2" CONC. BOX RISEN / 36" RCP BARREL. 1. NO PROBLEMS OBSERVED. * OUTLET OF BARREL SUBMERGED WITH WATER FROM DAN RIVER. CANNOT INSPECT PROPERLY.
EMERGENCY SPILLWAY	☐ 1. None ☐ 11. Joint displacement ☐ 2. No ES ☐ 12. Undermining ☒ 3. Same as PS ☐ 13. Voids ☐ 4. Obstructed ☐ 14. Holes ☐ 5. Erosion ☐ 15. Exposed reinforcement ☐ 6. Displaced rip rap ☐ 16. Spalling ☐ 7. Sparse rip rap ☐ 17. Outlet erosion ☐ 8. Joints leaking ☐ 18. Misalignment ☐ 9. Cracks ☐ 19. Inadequate capacity ☐ 10. Joint deterioration ☐ 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: NO OTHER DRAINS
SKETCHES/COMMENTS		