

DAM SAFETY INSPECTION REPORT

NAME MAYO LAKE DAM		COUNTY PERSO	NO. 034	INSPECTED BY JL/GT	DATE 3-21-13	
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 DS DEV.				HAZARD CLASS ☐ Low (A) ☐ Intermediate (B) ☒ High (C)		
REMARKS - CONTINUE ROUTINE MONITORING & MAINT. - DAM APPEARS STABLE @ THIS TIME			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
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. Unlevel ☐ 9. Misalignment ☐ 10. Has overtopped	COVER: ☒ Vegetation ☐ Gravel ☐ Concrete ☐ Asphalt ☒ Other ACCESS RD.
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 4/5 - MUCH IMPROVED FROM PREVIOUS INSP. w/ ONGOING SLOPE MAINT / ANIMAL CONTROL.
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 1 - MINOR SEEPAGE APPEARS UNCHANGED & NOT PROBLEMATIC

AREA		PROBLEMS	COMMENTS
ABUTMENT 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 1 - SEE PREVIOUS COMMENT
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: CONCRETE CHUTE (SEE FILE) 2 - ONGOING MAINT. HAS SIGNIF. IMPROVED CONDITION OF SPILLWAY.
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: EARTH CHANNEL (FILE)
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: SEEPAGE COLLECTION / WEIR BOX & HOWELL-BUNGER VALVE — FLOW CONTINUES CLEAR
SKETCHES/COMMENTS — DAM APPEARS STABLE @ THIS TIME. — DISCUSSED ONGOING MONITORING/MAINT. w/ COMPANY OFFICIALS @ SITE.			