

FILED WTY DMW 4.2.00

WATER COMMISSIONER • DAM OBSERVATION REPORT • OFFICE OF THE STATE ENGINEER

DIVISION OF WATER RESOURCES • DAM SAFETY BRANCH

1313 SHERMAN STREET, ROOM 818, DENVER, CO 80203, (303) 866-3681

DAM NAME: SUMMITVILLE TAILINGS CLASS: 3 EPP ON FILE: NR DATE OF INSPECTION: 8/16/01
 DAM ID: 210103 W.DIV: 3 W.DIST: 21 DATE OF LAST ENGINEERING INSPECTION: 10/03/2000
 FOREST ID: 0 LOCATION: SECTION 30 TOWNSHIP 37N, RANGE 4E, New Mexico Principal Meridian 294
 CURRENT RESTRICTION: SURFACE AREA: 16 AC CAPACITY: 423 AF
 HEIGHT: 61 FT CREST LENGTH: 480 FT CREST WIDTH: 30 FT SPILLWAY WIDTH: 16 FT FREEBOARD: 4 FT
 OWNER: GALACTIC RESOURCES EPA/STATE CO. CONTACT NAME:
 ADDRESS: 14443 WEST HWY 160 CONTACT PHONE: 719-657-2741
 DEL NORTE, CO 81132 OWNER #: 01863

FIELD CONDITIONS OBSERVED WATER LEVEL: BELOW DAM CREST 2.0 FT, BELOW SPILLWAY 10.95 FT, GAGE ROD READING 11210.05
 GROUND MOISTURE CONDITION: DRY WET X SNOWCOVER OTHER

DIRECTIONS: MARK AN X FOR CONDITIONS FOUND AND UNDERLINE WORDS THAT APPLY.

UPSTREAM SLOPE	PROBLEMS NOTED:	Conditions Observed		
		GOOD	ACCEPTABLE	POOR
UPSTREAM SLOPE	<input type="checkbox"/> (0) NONE <input checked="" type="checkbox"/> (1) RIPRAP - MISSING <u>SPARSE, DISPLACED</u> WEATHERED <input checked="" type="checkbox"/> (2) WAVE EROSION-WITH SCARPS <input type="checkbox"/> (3) CRACKSWITH DISPLACEMENT <input type="checkbox"/> (4) SINKHOLE <input checked="" type="checkbox"/> (5) APPEARS TO STEEP <input type="checkbox"/> (6) DEPRESSIONS OR BULGES (7) SLIDES <input type="checkbox"/> (8) CONCRETE FACING-HOLES, CRACKS, DISPLACED, UNDERMINED <input type="checkbox"/> (9) OTHER <u>Same condition as 2000 inspect.</u>	GOOD	ACCEPTABLE	POOR
CREST	<input type="checkbox"/> (10) NONE <input checked="" type="checkbox"/> (11) RUTS OR PUDDLES <input type="checkbox"/> (12) EROSION <input type="checkbox"/> (13) CRACKS - WITH DISPLACEMENT <input type="checkbox"/> (14) SINKHOLES <input type="checkbox"/> (15) NOT WIDE ENOUGH <input checked="" type="checkbox"/> (16) LOW AREA <input type="checkbox"/> (17) MISALIGNMENT <input type="checkbox"/> (18) IMPROPER SURFACE DRAINAGE <input type="checkbox"/> (19) OTHER <u>Dip in crest near pump house</u>	GOOD	ACCEPTABLE	POOR
DOWNSTREAM SLOPE	<input type="checkbox"/> (20) NONE <input type="checkbox"/> (21) LIVESTOCK DAMAGE <input checked="" type="checkbox"/> (22) EROSION OR GULLIES <input type="checkbox"/> (23) CRACKS - WITH DISPLACEMENT <input type="checkbox"/> (24) SINKHOLE <input checked="" type="checkbox"/> (25) APPEARS TOO STEEP <input type="checkbox"/> (26) DEPRESSION OR BULGES <input type="checkbox"/> (27) SLIDE <input type="checkbox"/> (28) SOFT AREAS <input type="checkbox"/> (29) OTHER <u>Top 5' of dam steeper than remainder - Erosion at both groin</u>	GOOD	ACCEPTABLE	POOR
SEEPAGE	<input type="checkbox"/> (30) NONE <input type="checkbox"/> (31) SATURATED EMBANKMENT AREA <input type="checkbox"/> (32) SEEPAGE EXITS ON EMBANKMENT <input checked="" type="checkbox"/> (33) SEEPAGE EXITS AT POINT SOURCE <input checked="" type="checkbox"/> (34) SEEPAGE AREA AT TOE <input checked="" type="checkbox"/> (35) FLOW ADJACENT TO OUTLET <input type="checkbox"/> (36) SEEPAGE INCREASED/MUDDY DRAIN OUTFALL SEEN <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> (37) FLOW INCREASED/MUDDY (38) DRAIN DRY/OBSTRUCTED <input type="checkbox"/> (39) OTHER <u>(37) measured 5x weekly Avg 30 GPM (33) Right groin 1-2 GPM</u>	GOOD	ACCEPTABLE	POOR
OUTLET	<input type="checkbox"/> (40) NONE <input type="checkbox"/> (41) NO OUTLET FOUND <input type="checkbox"/> (42) POOR OPERATING ACCESS <input type="checkbox"/> (43) INOPERABLE <u>3-5 GPM seep</u> <input type="checkbox"/> (44) UPSTREAM OR-DOWNSTREAM STRUCTURE DETERIORATED (45) OUTLET OPERATED DURING INSPECTION? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO INTERIOR INSPECTED <input checked="" type="checkbox"/> (120) NO <input type="checkbox"/> (121) YES <input type="checkbox"/> (46) CONDUIT DETERIORATED OR COLLAPSED <input type="checkbox"/> (47) JOINTS DISPLACED <input type="checkbox"/> (48) VALVE LEAKAGE <input type="checkbox"/> (49) OTHER <u>outlet open approx 25th of May to June 14th 40AF released</u>	GOOD	ACCEPTABLE	POOR
SPILLWAY	<input type="checkbox"/> (50) NONE <input type="checkbox"/> (51) NO EMERGENCY SPILLWAY FOUND <input type="checkbox"/> (52) EROSION-WITH BACKCUTTING <u>10' freeboard</u> <input type="checkbox"/> (53) CRACK - WITH DISPLACEMENT <input type="checkbox"/> (54) APPEARS TO BE STRUCTURALLY INADEQUATE <input type="checkbox"/> (55) APPEARS TOO SMALL <input type="checkbox"/> (56) INADEQUATE FREEBOARD <input checked="" type="checkbox"/> (57) FLOW OBSTRUCTED <input type="checkbox"/> (58) CONCRETE DETERIORATED/UNDERMINED <input type="checkbox"/> (59) OTHER <u>logs & pipes between same as 2000</u>	GOOD	ACCEPTABLE	POOR
MAINTENANCE	<input type="checkbox"/> (60) NONE <input type="checkbox"/> (61) ACCESS ROAD NEEDS MAINTENANCE <input type="checkbox"/> (62) CATTLE DAMAGE <input type="checkbox"/> (63) BRUSH ON UPSTREAM SLOPE, CREST, DOWNSTREAM SLOPE, TOE <input type="checkbox"/> (64) TREES ON UPSTREAM SLOPE, CREST, DOWNSTREAM SLOPE, TOE <input type="checkbox"/> (67) GATE AND OPERATING MECHANISM NEED MAINTENANCE <input type="checkbox"/> (68) OTHER	GOOD	ACCEPTABLE	POOR

See Guidelines on Back of this Sheet

The State Engineer, by providing this dam safety observation report, does not assume responsibility for any unsafe condition of the subject dam. The sole responsibility for the safety of the dam rests with the reservoir owner or operator, who should take every step necessary to prevent damages caused by leakage or overflow of waters from the reservoir or floods resulting from a failure of the dam.

DIRECTIONS: ENTER PROBLEM NUMBER () THEN LOCATION DIMENSIONS, DEGREE.
 LOCATION OF PROBLEMS & COMMENTS: Condition of dam & spillway same as 2000 insp.

- MAINTENANCE - MINOR REPAIR - MONITORING - ACTION REQUIRED OF OWNER TO IMPROVE THE SAFETY OF THE DAM.
- (80) PROVIDE ADDITIONAL RIPRAP _____
 - (81) LUBRICATE AND OPERATE OUTLET GATES THROUGH FULL CYCLE _____
 - (82) CLEAR TREES AND/OR BRUSH FROM _____
 - (83) INITIATE RODENT CONTROL PROGRAM AND PROPERLY BACKFILL EXISTING HOLES _____
 - (84) GRADE CREST TO A UNIFORM ELEVATION WITH DRAINAGE TO THE UPSTREAM SLOPE: _____
 - (85) PROVIDE SURFACE DRAINAGE FOR _____
 - (86) MONITOR seepage _____
 - (88) OTHER: Remove spillway obstructions D/S of spillway _____
 - (89) OTHER: _____

DAM REQUIRES INSPECTION BY A FIELD ENGINEER Parties present Autin Buckingham (COPHE), Mark Reiner (RAC)
more sent COPHE, Joe McCann (Owner)
Joe McCann 8/16/01