

112 WTY JMW 9.2.0.0

# 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: 7/29/02  
 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  
 CURRENT RESTRICTION: SURFACE AREA: 16 AC CAPACITY: 123 AF  
 HEIGHT: 61 FT CREST LENGTH: 480 FT CREST WIDTH: 30 FT SPILLWAY WIDTH: 16 FT FREEBOARD: 4 FT

OWNER: GALACTIC RESOURCES  
 ADDRESS: 14443 WEST HWY 160  
 DEL NORTE, CO 81132

CONTACT NAME:  
 CONTACT PHONE: 719-857-2741  
 OWNER #: 01863

FIELD CONDITIONS OBSERVED WATER LEVEL: BELOW DAM CREST 43 FT. BELOW SPILLWAY 33 FT. GAGE ROD READING 11188.75  
 GROUND MOISTURE CONDITION: DRY X WET 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 type="checkbox"/> (1) RIPRAP - MISSING, SPARSE, DISPLACED, WEATHERED <input checked="" type="checkbox"/> (2) WAVE EROSION-WITH SCARPS <input type="checkbox"/> (3) CRACKSWITH DISPLACEMENT <input type="checkbox"/> (4) SINKHOLE (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	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	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 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	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 type="checkbox"/> (33) SEEPAGE EXITS AT POINT SOURCE <input checked="" type="checkbox"/> (34) SEEPAGE AREA AT TOE <input type="checkbox"/> (35) FLOW ADJACENT TO OUTLET <input type="checkbox"/> (36) SEEPAGE INCREASED/MUDDY DRAIN OUTPALL SEEN <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> (37) FLOW INCREASED/MUDDY (38) DRAIN DRY/OBSTRUCTED <input checked="" type="checkbox"/> (39) OTHER <u>seepage below outlet &lt; 1 GPM seepage spot to the R/W of toe seep dry</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 <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 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 checked="" type="checkbox"/> (49) OTHER <u>outlet has severe corrosion due low of water, outlet is below spillway</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 <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	GOOD	ACCEPTABLE	POOR
MAINTENANCE	<input type="checkbox"/> (60) NONE <input type="checkbox"/> (61) ACCESS ROAD NEEDS MAINTENANCE <input type="checkbox"/> (62) CATTLE DAMAGE <input checked="" type="checkbox"/> (63) BRUSH ON UPSTREAM SLOPE, CREST, DOWNSTREAM SLOPE, TOE <input type="checkbox"/> (64) TREES ON UPSTREAM SLOPE, CREST, DOWNSTREAM SLOPE, TOE <input checked="" type="checkbox"/> (67) GATE AND OPERATING MECHANISM NEED MAINTENANCE <input type="checkbox"/> (68) OTHER	GOOD	ACCEPTABLE	POOR

See Guidelines on Back of this Sheet

DIRECTIONS: ENTER PROBLEM NUMBER ( ) THEN LOCATION DIMENSIONS, DEGREE,

LOCATION OF PROBLEMS & COMMENTS

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. outlet gates installed 1996 & may need replacement in the future
- (82) CLEAR TREES AND/OR BRUSH FROM: Estumps from spillway
- (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 (34) seepage at toe LEW 2 GPM
- (88) OTHER: slide rails are the most corroded. Possible Replacement 1-3 yrs
- (89) OTHER:

DAM REQUIRES INSPECTION BY A FIELD ENGINEER

*Joe McLenn*  
OBSERVATION BY WATER COMMISSIONER

7/29/02  
DATE

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.