

11.05 – Magma FRS DAM
Safety Inspection Conducted on 02/17/2010
Photographer: Chuck Merritt



PHOTO NUMBER: 1
PHOTO DIRECTION: North
DESCRIPTION: Outlet channel. ALERT gage can be seen on crest of dam. Recently cleared of brush.



PHOTO NUMBER: 2
PHOTO DIRECTION: South
DESCRIPTION: Outlet channel with access gate at right. Bridge is on Arizona Farms Road.



PHOTO NUMBER: 3
PHOTO DIRECTION: North
DESCRIPTION: Outlet structure and baffle basin.



PHOTO NUMBER: 4
PHOTO DIRECTION: Northeast
DESCRIPTION: RCP at outlet structure. Open and clear as shown in photo 16.

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PHOTO NUMBER: 5
PHOTO DIRECTION: East
DESCRIPTION: Stilling basin and wing walls. Appears free of cracks and spalls.



PHOTO NUMBER: 6
PHOTO DIRECTION: South
DESCRIPTION: Outlet channel recently cleared of obstructive woody vegetation.



PHOTO NUMBER: 7
PHOTO DIRECTION: West
DESCRIPTION: Looking across emergency spillway control section at left end of dam (riprap). In foreground is training dike.



PHOTO NUMBER: 8
PHOTO DIRECTION: North
DESCRIPTION: Emergency Spillway training dike shows signs of heavy local rain/surface flow as evidenced by erosion.

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PHOTO NUMBER: 9
PHOTO DIRECTION: East
DESCRIPTION: Crest of dam with transverse cracking and erosion.



PHOTO NUMBER: 10
PHOTO DIRECTION: West
DESCRIPTION: Downstream slope and crest.



PHOTO NUMBER: 11
PHOTO DIRECTION: West
DESCRIPTION: Upstream slope and reservoir area.



PHOTO NUMBER: 12
PHOTO DIRECTION: South
DESCRIPTION: Transverse crack in crest.

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PHOTO NUMBER: 13
PHOTO DIRECTION: West
DESCRIPTION: Crest of dam with sinkholes at cracks



PHOTO NUMBER: 14
PHOTO DIRECTION: NA
DESCRIPTION: A developing sinkhole on crest.



PHOTO NUMBER: 15
PHOTO DIRECTION: NA
DESCRIPTION: Rodent burrow within crack.



PHOTO NUMBER: 16
PHOTO DIRECTION: South
DESCRIPTION: Inlet structure, conduit and trash rack.

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PHOTO NUMBER: 17
PHOTO DIRECTION: North
DESCRIPTION: Inlet 'channel' as seen from inlet within reservoir.



PHOTO NUMBER: 18
PHOTO DIRECTION: Southwest
DESCRIPTION: Inlet structure and trashrack.



PHOTO NUMBER: 19
PHOTO DIRECTION: North
DESCRIPTION: Potential debris with reservoir.



PHOTO NUMBER: 20
PHOTO DIRECTION: NA
DESCRIPTION: Rodent burrow on upstream slope (typ.). Near inlet structure.

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PHOTO NUMBER: 21
PHOTO DIRECTION: North
DESCRIPTION: Crest of dam and upstream slope (west leg).



PHOTO NUMBER: 22
PHOTO DIRECTION: NA
DESCRIPTION: Rodent burrow on upstream slope.



PHOTO NUMBER: 23
PHOTO DIRECTION: North
DESCRIPTION: Downstream slope west leg of dam.



PHOTO NUMBER: 24
PHOTO DIRECTION: Northeast
DESCRIPTION: An inlet channel at the northwest corner of the reservoir near the RR tracks.