



NEW MEXICO OFFICE OF THE STATE ENGINEER



ATTACHMENT 2 DIVERSION AND STORAGE DAM INFORMATION

(If item not applicable, check the "not applicable" box)

1. DIVERSION DAM: (Not applicable)

a. The diversion dam is constructed of:	
b. Crest length (feet):	Crest width (feet):
c. Height above stream bed (feet):	Depth below stream bed (feet):
d. Side slopes of _____ horizontal to 1 (one) vertical on upstream face	
e. And _____ horizontal to 1 (one) vertical on downstream face	
f. And contains about _____ cubic yards of material	

2. HYDRAULIC PROPERTIES OF MAIN CANAL OR PIPELINE: (Not applicable)

a. Name of ditch:
b. Bottom width (feet):
c. Depth of water at full operating capacity (feet):
d. Side slopes _____ horizontal to 1 (one) vertical
e. Diameter (pipe line or circular flume) (feet):
f. Type of pipe line:
g. Slope _____ feet per 1000 feet
h. Capacity (cubic feet per second):
i. Length of canal or pipeline (feet):

3. HYDRAULIC PROPERTIES - STORAGE DAM: (Not applicable)

a. Maximum storage capacity (acre-feet):	
b. Maximum height above foundation (feet):	Length of Crest (feet):
c. Maximum width at base (feet):	Crest width (feet):
d. Slope of upstream face _____ horizontal to 1 (one) vertical	
e. Slope of downstream face _____ horizontal to 1 (one) vertical	
f. Elevation of crest of dam (feet):	Elevation of spillway crest (feet):
g. Elevation of flow line of outlet conduit (feet):	
h. Freeboard (above high water line at maximum spill) (feet):	
i. Width of spillway (feet):	
j. Discharge capacity of spillway (cubic feet per second):	
k. Location of spillway:	
l. Cross-sectional area at maximum flow (square feet):	
m. Size and character of outlet conduit:	
n. Type of dam, construction material, etc.:	

Elevation or depth above outlet (Feet)	Area of Water Surface (Acres)	Storage Capacity (Acre Feet)	Remarks

OSE Date Stamp:

FOR OSE INTERNAL USE

Form wr-09

DAM DESCRIPTIONS - ATTACHMENT 2

File Number:	Trn Number:
Trans Description (optional):	