

STATE OF NEVADA  
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES

DIVISION OF WATER RESOURCES

**FILED**  
**JULY 6, 1967**  
STATE ENGINEER'S OFFICE

Application No. J-102

Filed

APPLICANT MUST NOT FILL IN ABOVE BLANKS

**APPLICATION FOR APPROVAL OF THE PLANS AND SPECIFICATIONS FOR THE CONSTRUCTION, RECONSTRUCTION OR ALTERATION OF A DAM**

This application involves in no way the right to appropriate water. To secure the right to appropriate water, application should be made to the State Engineer on forms which will be furnished upon request.

I, John F. Smales of 733 Railroad St., Elko,  
Name of applicant Post office

County of Elko State of Nevada, hereby make application for the approval of the

plans and specifications for the construction of Eight Mile Creek FRS dam.  
Construction; reconstruction, alteration Name of dam

The owner of the proposed dam is City of Elko  
Name of owner

of Elko County of Elko State of Nevada  
Post office

If the owner is a corporation, give name and address of president and secretary—

The applicant is acting for the owner in the legal capacity of City Engineer  
Agent, Lessee, Trustee, etc.

**Location of Dam**

Floodwater detention structure on  
1. The source of water to be stored is 8-Mile Creek which is a tributary of the Humboldt River  
Name of Stream Stream  
SW 1/4 SE  
and the proposed dam to be located within the 1/4, Sec. 4, Tp. 34 N., R. 55 E.  
the SE 1/4 SW 1/4, Sec. 4, Tp. 34 N., R. 55 E. and the NE 1/4 NNW 1/4, Sec. 9, Tp. 34 N. R. 55 E.  
in Elko County, Nevada.

**Description and Dimensions of Dam**

(If for an alteration, the data given below are for the altered dam)

- 2. Type of dam Earth fill 3. Length of crest 1452 ft.  
Concrete arch or gravity, earth, rockfill, etc.
- 4. Height stream bed to spillway crest 53.5 ft. 5. Height foundation to spillway crest 62.5 ft.
- 6. Freeboard 11.5 ft. 7. Thickness at top 20 ft. 8. Thickness at bottom 450 ft.  
Spillway crest to top
- 9. Slope upstream\* 3:1 10. Slope downstream\* 3:1 11. Upstream facing\* none  
\*This information to be supplied for earth or rockfill dams. Concrete or rock paving, etc.
- 12. Amount of material in dam 355,500 cu. yds. 13. Estimated cost \$ 450,400  
Approximate
- 14. Spillway data Earth, with 125' bottom width, 3:1 side slopes; 4500 cfs discharge rate  
Type, capacity, etc.
- 15. Outlet data R/C steel cylinder pipe conduit with R/C principal spillway riser; 75 cfs discharge; spillway R/C impact basin Type, capacity, etc.
- 16. Elevation of crest of dam 5281 above mean sea level datum  
Approximate elevation to be given if true elevation not available
- 17. Area of reservoir at spillway level 45.0 acres. 18. Capacity of reservoir 1/ 944 (total) ac. ft.  
1/ Includes 144 ac. ft. for sediment storage.

General Information

19. State the purpose of the dam floodwater detention (800 ac. ft.); sediment storage (144 ac. ft.)

Diversion only; storage only; storage and diversion; debris storage, etc.

20. State the use that is to be made of water none (ungated outlet) 8 45

Municipal, domestic, irrigation, power, mining and milling, recreation, or stockwatering

21. Engineers U.S.D.A. Soil Conservation Service

Name and address of Engineer preparing plans

P. O. Box 4850, Reno, Nevada 89505

22. If the proposed dam is to be built under Federal supervision, state what department has jurisdiction

Soil Conservation Service

23. The maps, plans and specifications accompanying this application are a part thereof.

[SIGNED]

*John F. Smales*  
City Engineer Applicant

this 30th day of June, 1967

**APPROVAL OF APPLICATION NO. J-102, INCLUDING THE PLANS AND SPECIFICATIONS**

This is to certify that Application No. J-102, including the plans and specifications for the Eight Mile Creek dam has been examined and the same is hereby approved, subject to the following conditions:

The approval of this application does not waive the provisions of NRS 535.020 Section 2, which requires the permittee to provide for the installation of fishways and for the protection of fish in streams impounded by the dam as provided by law.

The State Engineer shall be notified when construction is to begin and also when the dam is completed. During construction the resident engineer shall submit progress reports of work completed.

Witness my hand and seal this 6<sup>th</sup> day of July, 1967

*Edmund P. Westergaard*  
State Engineer