

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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JAN 29 1980

DEPARTMENT OF ECOLOGY
REGIONAL OFFICE

APPLICATION FOR PERMIT
TO CONSTRUCT A RESERVOIR AND TO STORE FOR BENEFICIAL USE
THE UNAPPROPRIATED WATERS OF THE STATE OF WASHINGTON

\$10.00 MINIMUM STATUTORY FILING FEE REQUIRED WITH APPLICATION
(GRAY BOXES FOR OFFICE USE ONLY)

APPLICATION NUMBER R426540	W.R.I.A. 38	COUNTY Yakima	PRIORITY DATE 1.29.80	TIME ---	ACCEPTED DK
APPLICANT'S NAME The United States of America, acting through the Regional Director, PNW Region, Water and Power Resources Service for the VTID					TELEPHONE NUMBER (208) 384-1165 <i>(678-4101 Wamen Wicksman)</i>
DATE AND PLACE OF INCORPORATION IF APPLICANT IS A CORPORATION N/A					
ADDRESS (STREET) P.O. Box 043, 550 West Fort Street		(CITY) Boise	(STATE) Idaho	(ZIP CODE) 83724	

1. SOURCE, USE, AND CAPACITY OF RESERVOIR

NAME OF PROPOSED RESERVOIR
French Canyon Reservoir *corrected after discussion with Howard Powell 2.01.80 DK*

NAME OF STREAM OR OTHER SOURCE FOR RESERVOIR SUPPLY
Tieton River *originating at Rimrock Reservoir*

TRIBUTARY OF
Yakima River

USE(S) TO BE MADE OF IMPOUNDED WATER (IRRIGATION, POWER, FISH PROPOGATION, ETC.)
Irrigation (Frost Protection) irrigation reregulation, spray, and cistern.

NUMBER OF ACRE FEET TO BE STORED AT MAXIMUM OPERATING LEVEL
540

MONTHS OF YEAR DURING WHICH RESERVOIR IS TO BE FILLED
The reservoir will be kept filled or nearly filled year-round.

Reregulation reservoir to provide irrigation during irigation season; continuous frost protection, agricultural spray, and cistern as required

NUMBER OF ACRES TO BE IRRIGATED, IF USED FOR IRRIGATION
A maximum of 2,500 Ac within the Yakima-Tieton I.D. will be protected from frost.

TYPE AND CAPACITY OF DIVERSION WORKS IF WATER IS TO BE WITHDRAWN
Water will be withdrawn from the reservoir via a 90-inch diameter pipeline with a (380cfs capacity)

2. LOCATION OF POINT OF DIVERSION OR WITHDRAWAL

ON ACCOMPANYING PLATS OR MAPS, ACCURATELY MARK AND IDENTIFY EACH POINT OF DIVERSION. GIVE MEASURED DISTANCE AND BEARING, OR NORTH-SOUTH AND EAST-WEST DISTANCES FROM NEAREST SECTION CORNER.

COMPLETE EITHER A OR B	A	THE RESERVOIR IS TO BE LOCATED IN THE CHANNEL OF (NAME OF STREAM) North fork of Cowiche Creek and
	B	THE RESERVOIR IS TO BE FILLED THROUGH A FEEDER CANAL (OR PIPELINE) HAVING ITS POINT OF DIVERSION (INTAKE) LOCATED AS FOLLOWS on the Tieton River

DISTANCE AND BEARING TO SECTION CORNER
1600' N and 1200' E from the SW $\frac{1}{4}$ of Section 30

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) N$\frac{1}{2}$ SW$\frac{1}{4}$	SECTION 30	TOWNSHIP N. 14	RANGE (E. OR W.) W.M. 15E	COUNTY Yakima
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3. IF THIS IS WITHIN THE LIMITS OF A RECORDED PLATTED PROPERTY, COMPLETE THIS SECTION

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
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4. LOCATION OF IMPOUNDING STRUCTURE

IMPOUNDING STRUCTURE LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) S$\frac{1}{2}$	SECTION 11	TOWNSHIP N. 14	RANGE (E. OR W.) W.M. 16 E
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LEGAL SUBDIVISION OF LANDS IN WHICH THE SUBMERGED AREA IS TO BE LOCATED (THE OUTLINE OF THIS LAND IS TO BE SHOWN ON THE MAP TO ACCOMPANY THIS APPLICATION)
See attached map

DO YOU OWN THIS PROPERTY YES NO

IF NO, HAVE YOU SECURED FLOOD RIGHTS FOR LANDS TO BE INUNDATED YES NO (The District plans to purchase the property.)

5. CONSTRUCTION OF IMPOUNDING STRUCTURE

HEIGHT OF DAM (FEET) 46	LENGTH ON TOP (FEET) 900	LENGTH ON BOTTOM (FEET) 600	WIDTH ON TOP (FEET) 15
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SLOPE OF FRONT OR WATER SIDE (NUMBER OF FEET HORIZONTAL TO ONE FOOT VERTICAL) 3:1	SLOPE OF BACK SIDE (NUMBER OF FEET HORIZONTAL TO ONE FOOT VERTICAL) 3:1
HEIGHT OF DAM ABOVE WATER LINE AT MAXIMUM FLOOD FLOW (FEET) 6	TYPE OF CONSTRUCTION OF DAM AND MATERIAL OF WHICH IT IS TO BE BUILT Zoned earthfill

LOCATION AND DIMENSIONS OF SPILLWAYS (STATE WHETHER OVER, AROUND, OR THROUGH DAM)
 Location and dimensions of spillway will be determined during design of the project

NUMBER OF ACRES TO BE SUBMERGED BY RESERVOIR WHEN FULL 25	MAXIMUM DEPTH (FEET) 40	APPROXIMATE AVERAGE DEPTH (FEET) 20
ESTIMATED COST OF PROPOSED WORK \$2,127,000	CONSTRUCTION WILL BEGIN ON OR BEFORE (DATE) OCTOBER 1981	
CONSTRUCTION WILL BE COMPLETED ON OR BEFORE (DATE) APRIL 1984		

SIZE AND TYPE OF OUTLET STRUCTURE
 Gated outlet tower connected to 90" diameter pipeline

6. **LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED (IF DIFFERENT THAN ABOVE)**
 COPY LEGAL DESCRIPTION FROM DEED; OR ATTACH COPY OF DEED. TAX STATEMENT DESCRIPTIONS ARE NOT ACCEPTABLE. ALSO OUTLINE THIS PROPERTY ON THE MAPS OR PLATS SUBMITTED WITH THIS APPLICATION.

The Yakima-Tieton Irrigation District

DO YOU OWN THIS PROPERTY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	IF NO, GIVE NAME AND ADDRESS OF OWNER Lands within the District are owned by several hundred individual land owners.
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REMARKS
 Frost protection is one of the features of the proposed Yakima-Tieton Irrigation District Rehabilitation and Betterment Project.

ACTING H. R. Stivers
 SIGNATURE OF APPLICANT
 (H. R. Stivers)

STATE OF WASHINGTON }
 DEPARTMENT OF ECOLOGY } ss.

This is to certify that I have examined the foregoing application together with the accompanying maps and data, and return the same for correction or completion as follows:

In order to retain its priority, this application must be returned to the Department of Ecology, with corrections, on or before, 19.....

Witness my hand this day of, 19.....

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 Department of Ecology