

DIVISION OF WATER RESOURCES

Application No. 8534 Filed January 13, 1936 at 10:43AM.

RECEIVED APPLICATION RECEIVED 2/24/36

(Applicant must not fill in the above blanks)

APPLICATION TO APPROPRIATE UNAPPROPRIATED WATER

This application involves in no way the right to construct a dam

I, IMPERIAL IRRIGATION DISTRICT
Name of applicant
of El Centro County of Imperial
Post office
State of California

, do hereby make application for a permit to appropriate the following described unappropriated waters of the State of California, *SUBJECT TO EXISTING RIGHTS*:

Source, Amount, Use and Location of Diversion Works

1. The source of the proposed appropriation is Colorado River
located in Imperial County, tributary to Gulf of California
Give name of stream, lake, etc., if named; if unnamed state nature of source and that it is unnamed

2. The amount of water which applicant desires to appropriate under this application is as follows:

(a) For diversion to be directly applied to beneficial use without storage 8,000 cubic feet per second, to be diverted from January 1st to December 31 of each season.
1 cubic foot per second equals 40 statute miner's inches or 646,317 gallons per day
Beginning date each season Closing date each season

(b) For diversion to be stored temporarily and later applied to beneficial use _____ acre-foot per annum, to be collected between _____ and _____ of each season.
1 acre-foot equals 325,851 gallons
Beginning date each season Closing date each season

NOTE.—Answer (a) or (b) or both (a) and (b) as may be necessary. The amounts stated must be in definite terms of some established unit of measurement. Neither these amounts nor the season may be increased after application is filed.

3. The use to which the water is to be applied is generation of electric energy for light, heat, power and other uses
Irrigation, power, municipal, mining, industrial, recreational, domestic. Recreational use may be deemed to include all uses incidental to a resort such as domestic, boating, fish culture, etc.

NOTE.—A separate application must be made for each use except that incidental domestic use may be included with any other use.

4. The point of diversion is to be located S. 8° 50' E. 2495.0 feet from northwest corner of Section 9, T 15 S, R 24 E, S.B.B. & M.
State bearing and distance or coordinate distances to section or quarter section corner

being within Lot 2 of Section 9, Tp. 15 S., R. 24 E., S.B.B.M., in the County of Imperial
State 40-acre subdivision of U. S. Government survey or projection thereof

5. The main conduit terminates in SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of Sec. 31, Tp. 16 S., R. 20 E, S.B.B.M.
State 40-acre subdivision of U. S. Government survey or projection thereof

Description of Diversion Works

NOTE.—An application can not be approved for an amount grossly in excess of the estimated capacity of the diversion works.

6. Intake or Headworks (fill only those blanks which apply)

(a) Diversion will be made by pumping: Capacity of plant _____ gallons per minute.

(b) Diversion will be by gravity, the diverting dam being 22 feet in height (stream bed to level of overflow); 1770 feet long on top; and constructed of rock fill covered by concrete slab
Concrete, earth, brush, etc.

(c) The storage dam will be _____ feet in height (stream bed to overflow level); _____ feet long on top; have a freeboard of _____ feet, and be constructed of _____
Concrete, earth, etc.

7. Storage Reservoir _____
Name

The storage reservoir will flood lands in _____
Indicate section or sections, also 40-acre subdivisions unless shown upon map

It will have a surface area of _____ acres, and a capacity of _____ acre-feet.

In case of insufficient space for answers in form, attach extra sheets at top of page 3 and cross reference.

8. Conduit system (describe main conduits only)

(a) Canal, ~~with~~ ~~cross~~ ~~out~~ ~~two~~ ~~not~~ ~~used~~: Width on top (at water line) 196.36 feet; width at bottom 136 feet; depth of water 16.59 feet; length 190,800 feet; grade 0.076 feet per 1,000 feet; materials of construction Earth, rock and concrete
Earth, rock, timber, etc.

(b) Pipe line: Diameter _____ inches; length _____ feet; grade _____ feet per 1,000 feet; total fall from intake to outlet _____ feet; kind _____
Riveted steel, cement, wood-stave, etc.

NOTE.—If a combination of different sizes or kinds of conduit is to be used, attach extra sheets with complete description, also show location of each clearly on map.

9. The estimated capacity of the diversion works proposed is 15,000 cubic feet per second
State cubic feet per second or gallons per minute

The estimated cost of the diversion works proposed is \$6,100,000
Give only cost of intake, or headworks, pumps, storage reservoirs and main conduits described herein

Completion Schedule

10. Construction work ~~will be completed~~ started July, 1954 ~~and will be completed~~

Construction work will be completed within 5 years after approval of this application.

The water will be completely applied to the proposed use within 20 years after approval of this application.

Description of Proposed Use

11. Place of Use. ^{P.O. No. 1A within} SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 31, T 16 S, R 20 E, S.B.B. & M.
State 40-acre subdivisions of the public land survey. If area is unsurveyed indicate the location as if lines of the public land

survey were projected. In the case of irrigation use state the number of acres to be irrigated in each 40-acre tract, if space permits. If space does not permit listing all 40-acre tracts, describe area in a general way and show detail upon map. These blanks need not be filled in when municipal use is proposed.

Does applicant own the land whereon use of water will be made? No
Yes or No

To be furnished in connection with All-American Canal

If applicant does not own land whereon use of water will be made, state what arrangements have been made with owner.

12. Domestic Use. (If incidental to one of the major uses described in Paragraphs 13, 14, 15, 16, 17 or 18 domestic use may be included in the same application with any one thereof, and Paragraph 12 should be filled out. If the domestic use is not incidental to some major use a separate application is required.)

Domestic use is proposed as follows: _____
Describe nature of use which may include stock water and the irrigation of domestic gardens not exceeding

one-half acre each in area connected with places of residence

The amount for which application is made was determined by _____
Describe basis of estimate of quantity needed

13. Irrigation Use. (See marginal note.) The area to be irrigated is _____ acres.
State net acreage to be irrigated

The segregation of acreage as to crops is as follows: Rice _____ acres; alfalfa _____ acres; orchard _____ acres; general crops _____ acres.

NOTE.—Care should be taken that the various statements as to acreage are consistent with each other, with the statement in Paragraph 11, and with the map.

The irrigation season will begin about _____ and end about _____
Beginning date each season Closing date each season

The land to be irrigated has ^{another} no other water right or source of water supply other than that herein applied for. The nature and amount of the additional supply referred to is _____

14. Power Use. (See marginal note.) The total fall to be utilized is 11.53 feet.
Difference between nozzle or draft tube water level and first free water surface above

The maximum amount of water to be used through the penstock is 8,000 cubic feet per second.

The maximum theoretical horsepower capable of being generated by the works is 10,482 horsepower.
Second feet \times fall \div 8.8

The use to which the power is to be applied is for distribution and sale and pumping and incidental uses.
For distribution and sale or private use, etc.

The nature of the works by means of which power is to be developed is turbine
Turbine, Pelton wheel, hydraulic ram, etc.

The water ~~will~~ ^{will not} be returned to All-American Canal in SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of _____
Name stream State 40-acre subdivision

Sec. 31, Tp. 16 S., R. 20 E., S.B. M.

PARAGRAPHS 13, 14, 15, 16, 17 and 18 municipal, mining, industrial and recreational be included on the same application.

DO NOT FILL IN MOR

Applications must be filed in additional uses. Domestic use only

10. Municipal Use. (See marginal note.) This application is made for the purpose of serving _____ Name city or cities, town

_____ having a present population of _____
of towns. Urban areas only

The estimated average daily consumption during the month of maximum use at the end of each five year period until the full amount applied for is put to beneficial use is as follows:

16. Mining Use. (See marginal note.) The name of the mining property to be served is _____ Name of claim
_____ and the nature of the mines is _____
Gold placer, lead quartz, etc.

The method of utilizing the water is _____

It is estimated that the ultimate water requirement for this project will be _____
Cubic feet per second, gallons per minute State basis of estimate

The water will be polluted by chemicals or otherwise _____
will not Explain nature of pollution, if any

and it will be returned to _____ in _____ of
Name stream State 40-acre subdivision

Sec. _____, Tp. _____, R. _____, _____ M.

17. Industrial Use. (See marginal note.) The nature of the use proposed is _____
Describe nature and method of use

The amount for which application is made was determined by _____
Describe basis of estimate of quantity needed

18. Recreational Use. (See marginal note.) Water will be used for _____
Describe nature and method of use

The amount for which application is made was determined by _____
Describe basis of estimate of quantity needed

General

19. Are the maps as required by the Rules and Regulations filed with Application? Yes If not, state specifically the time required for filing same _____
Yes or No

20. Does the applicant own the land at the proposed point of diversion? No If not, state what steps have been taken to secure right of access thereto _____
Yes or No Contract with United States

21. What is the name of the post office most used by those living near the proposed point of diversion?
Andrade, California

22. What are the names and addresses of claimants of water from the source of supply below the proposed point of diversion?
None

IMPERIAL IRRIGATION DISTRICT

BY [Signature]

Signature of Applicant

The attached application is made in connection with the use of water in the All-American Canal, and is supplementary to the rights of applicant by appropriation and under its contract with the United States and all such rights are expressly reserved.

It is proposed by applicant and applicant claims the right to divert from the Colorado River at the point indicated in this application and convey through the All-American Canal to the site of the power plant indicated in this application, the quantity of water named and to use all water thus conveyed, to the site of the power plant so indicated, for power purposes. Applicant also claims the right to divert, convey and use such water for other purposes and for power purposes at other power sites and all such rights are expressly reserved.

This is to certify that the application of which the foregoing is a true and correct copy has been considered and is hereby approved subject to vested rights, provisions of the Water Code of the State of California, and the following limitations and conditions; insofar as jurisdiction exists in the State of California, as supplemental to other rights of, and without prejudice to, any existing or vested rights of permittee:

1. The amount of water appropriated shall be limited to 8000 cubic feet per second, or so much thereof as may be flowing at any time in the All-American Canal at the site of the power plant covered by said application, from January 1st to December 31st of each year.
2. The Colorado River flows along a part of the eastern boundary of the State of California and is the subject of an interstate compact, to which the State of California is a party. Under authority of an Act of Congress, the United States has contracted with Imperial Irrigation District, an irrigation district of the State of California, to construct the All-American Canal for said District and to deliver to the District at the District's point of diversion for said Canal, known as Imperial Dam, water for irrigation and domestic purposes in the quantity as in said contract provided and as referred to and set out in permit issued in the matter of Application No. 7482. Under authority of said Act of Congress and as provided in said contract, the United States has granted to the District the right to utilize power possibilities on the All-American Canal; said application covers one of such possibilities which the District proposes to develop. Said facts are found to be such as bring the case within the terms of Section 1005 of the Water Code of California.
3. This permit supplements and is without prejudice to the rights held or claimed by said applicant under said contract with the United States, or under appropriation, user, or otherwise, to the use of water of and from the Colorado River for irrigation, domestic, power, and other purposes; provided, however, that any and all rights acquired under this permit shall be subject to said interstate compact and in particular to the provisions of Article IV(b) thereof which provide that the use of water of the Colorado River system for the generation of electric power shall be subservient to the use and consumption of such water for agricultural and domestic purposes within the United States and shall not interfere with or prevent use for such dominant purposes.
4. In conformity with the provisions of that certain Agreement between Imperial Irrigation District and Coachella Valley County Water District, dated the 14th day of February, 1934, and in conformity with the provisions of Section 20 of said Agreement, this permit is approved to Imperial Irrigation District.

This permit is issued and permittee takes it subject to the following provisions of the Water Code:

Section 1390. A permit shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code), but no longer.

Section 1391. Every permit shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a permit is issued takes it subject to the conditions therein expressed.

Section 1392. Every permittee, if he accepts a permit, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any permit granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any permittee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any permittee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Witness my hand and the seal of the
 Department of Public Works of the State of California
 this 6th day of January 1950


 EDWARD HYATT, State Engineer

Permit 7649

