STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER RIGHTS

In the Matter of Permit 11360 (Application 12622)

**City of Sacramento**

ORDER APPROVING EXTENSION OF TIME
AND AMENDING THE PERMIT

SOURCE: American River

COUNTY: Sacramento

**WHEREAS**:

1. Permit 11360 was issued to the City of Sacramento (City) on May 7, 1958.

2. A petition for an extension of time to complete construction of additional works, upgrade the fish screens at the point of diversion for the Fairbairn Water Treatment Plant to meet current federal and state criteria, and to enable beneficial use of the full authorized amount of water was filed with the State Water Resources Control Board (SWRCB) on March 6, 2001.

3. The permittee has proceeded with diligence, and good cause has been shown for extension of time. Public notice of the request for extension of time was issued on April 20, 2001, and no protests were received.

4. The SWRCB has determined that the petition for extension of time does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water.

5. The City has requested that this permit be amended to include the American River diversion condition contained in the Water Forum Agreement of 2000. This condition limits the City's diversion from the American River (River) when flows in the River are below the "Hodge" flows, and becomes operative when the expanded water treatment capacity to be provided by the City's Water Facilities Expansion Project is available for use by the City.

**NOW, THEREFORE, IT IS ORDERED THAT PERMIT 11360 BE AMENDED TO READ AS FOLLOWS:**

1. Condition 5 of Permit 11360 is deleted and condition 6 is amended to read:

   Construction work and complete application of the water to the authorized use shall be prosecuted with reasonable diligence and completed by December 31, 2030.
   (0000009)

2. The following term, excerpted from the Water Forum Agreement of 2000, is added to Permit 11360 at the request of Permittee:

> At such time as the additional water treatment capacity to be provided by the City's Water Facility Expansion Project (as described in the final Environmental Impact Report, SCH # 1998032046) is available for use by the City, the following terms shall go into effect.
>
> In extremely dry years (i.e., years in which the State of California Department of Water Resources [DWR] annual projected unimpaired inflow into Folsom Reservoir would be 550,000 acre-feet annually [afa] or less; also referenced as the March through November projected unimpaired flow into Folsom Reservoir being less than 400,000 acre-feet [af]) the City would limit its diversions of City water (i.e., water diverted pursuant to the City's water rights and entitlements) at the Fairbairn Water Treatment Plant (FWTP) to not greater than 155 cubic feet per second (cfs) and not greater than 50,000 afa. Any additional water needs would be met by diversions at other locations and/or other sources.
>
> In all other years (i.e., when the DWR annual projected unimpaired runoff into Folsom Reservoir is greater than 550,000 afa, or the March through November projected unimpaired inflow into Folsom Reservoir is greater than 400,000 af) the City may divert City water at the FWTP in accordance with the following criteria:
>
> (a) Diversion up to 310 cfs (200 million gallons per day [mgd]) so long as the flow bypassing the diversion at the FWTP is greater than the Hodge Flow Criteria. (The Hodge Flow Criteria refers to the following minimum Lower American River flows established by Judge Hodge in the *EDF v. EBMUD* case: October 15 through February – 2,000 cfs; March through June – 3,000 cfs; July through October 15 – 1,750 cfs.)
>
> (b) Whenever flow bypassing the diversion at the FWTP is less than the Hodge Flow Criteria, City of Sacramento diversions at the FWTP may not be greater than the following: January through May – 120 cfs; June through August – 155 cfs; September – 120 cfs; October through December – 100 cfs.

3. All other terms and conditions of Permit 11360 are still applicable.

**Dated:** AUG 2 4 2001

STATE WATER RESOURCES CONTROL BOARD

David R. Bunger

for Chief, Division of Water Rights

P11360

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

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In the Matter of Permit 11360 (Application 12622)
**City of Sacramento**

ORDER APPROVING CHANGE IN
POINT OF REDIVERSION
AND AMENDING THE PERMIT

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SOURCES: Rubicon River, Rock Bound Creek, Gerle Creek, and South Fork Rubicon River

COUNTY: El Dorado

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**WHEREAS**:

1. Permit 11360 was issued to the City of Sacramento on May 7, 1958, pursuant to Application 12622.

2. A petition to change a point of rediversion under Permit 11360 was filed with the State Water Resources Control Board (SWRCB) on March 16, 2000 and the SWRCB has determined that good cause for such change has been shown. Public notice of the change was issued on April 14, 2000 and no protests were received.

3. The SWRCB has determined that the petition for change in a point of rediversion does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water

4. Fish, wildlife, and plant species have been or may be listed under the federal Endangered Species Act and/or the California Endangered Species Act. A term should be placed in the permit making the permittee aware of possible obligations resulting from these acts.

5. A permit term relating to the continuing authority of the SWRCB should be added to the permit to conform to section 780(a), title 23 of the California Code of Regulations.

6. A permit term relating to the water quality objectives of the SWRCB should be added to the permit to conform to section 780(b), title 23 of the California Code of Regulations.

**NOW, THEREFORE, IT IS ORDERED THAT Permit 11360 IS AMENDED TO READ AS FOLLOWS:**

1. The points of diversion/rediversion for Permit 11360 are amended to read as follows:

Point of Diversion

(1) Rubicon River – South 4°30' West 1,850 feet to the SW corner of section 9 T13N R16E MDB&M, being within the NW¼ of SW¼ of said section 9

Points of Diversion and/or Rediversion

(2) Rockbound Creek – North 27°20' West 2,050 feet to the NW corner of section 6 T13N R16E MDB&M, being within the SW¼ of NW¼ of said section 6

(3) Gerle Creek

A. Loon Lake Dam – North 3°59'36" East 2,083.30 feet to the NE corner of section 5 T13N R15E MDB&M, being within the SE¼ of NE¼ of said section 5

B. Gerle Dam – North 89°53'06" East 2,166.79 feet to the SE corner of section 15 T13N R14E MDB&M, being within lot 14 of said section 15

(4) South Fork Rubicon River

A. Robbs Peak Dam – North 42°28'52" East 2,037.57 feet to the NE corner of section 27 T13N R14E MDB&M, being within the SW¼ of NE¼ of said section 27

(5) Silver Creek

A. Union Valley Dam – South 12°28'13" West 712.79 feet to the SW corner of section 20 T12N R14E MDB&M, being within the SW¼ of SW¼ of said section 20

B. Junction Dam – South 47°16'41" West 1,986.05 feet to the SW corner of section 30 T12N R14E MDB&M, being within the SW¼ of SW¼ of said section 30

C. Camino Dam – North 12°38'03" West 2,856.36 feet to the NW corner of section 4 T11N R13E MDB&M, being within Lot 9 of said section 4

C. Camino Dam – North 12°38'03" West 2,856.36 feet to the NW corner of section 4 T11N R13E MDB&M, being within Lot 9 of said section 4

(6) Brush Creek – South 35°00' East 2,450 feet to the SE corner of section 10 T11N R12E MDB&M, being within the NW¼ of SE¼ of said section 10

Points of Rediversion

(7) South Fork American River

A. Slab Creek Dam – South 35°39'55" West 3,622.27 feet to the SW corner of section 25 T11N R11E MDB&M, being within the SE¼ of NW¼ of said section 25

B. Chili Bar Dam – South 52°36'08" West 3,163.80 feet to the SW corner of section 25 T11N R10E MDB&M, being within the NE¼ of SW¼ of said section 25

(8) American River

A. American River Water Treatment Plant – South 55°58' West 3,710 feet to the NW corner of section 15 T8N R5E MDB&M, being within the NW¼ of SE¼ of projected section 10

B. Additional points of rediversion for municipal use may be established on American River between Folsom Dam and Sacramento River when distribution of water from the American River Water Treatment Plant to portions of the future extended service area becomes impractical.

(9) Sacramento River

A. City of Sacramento Water Treatment Plant – A point of rediversion located at North 337,400 and East 2,141,400, California Coordinate System of 1927, Zone 2, being within the SE¼ of NE¼ of said Section 35 T9N R4E MDB&M. (The current point of diversion; the existing City of Sacramento Water Treatment Plant intake structure located at North 338,100 and East 2,141,300, 1927 California Coordinate System Zone 2, being within the S½ of NE¼ of Section 35 T9N R4E MDB&M; will be used until the completion of construction of the new intake structure. Upon completion of construction, the current point of diversion will be abandoned.)

2. A continuing authority condition shall be added to read as follows:

Pursuant to California Water Code sections 100 and 275 and the common law public trust doctrine, all rights and privileges under this permit, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the SWRCB in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water.

The continuing authority of the SWRCB may be exercised by imposing specific requirements over and above those contained in this permit with a view to eliminating waste of water and to meeting the reasonable water requirements of licensee without unreasonable draft on the source. Permittee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to: (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this permit and to determine accurately water use as against reasonable water requirement for the authorized project. No action will be taken pursuant to this paragraph unless the SWRCB determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation.

The continuing authority of the SWRCB also may be exercised by imposing further limitations on the diversion and use of water by the permittee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the SWRCB determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution article X, section 2; is consistent with the public interest and is necessary to preserve or restore the uses protected by the public trust.
(0000012)

3. A water quality objectives condition shall be added to read as follows:

The quantity of water diverted under this permit is subject to modification by the SWRCB if, after notice to the licensee and an opportunity for hearing, the SWRCB finds that such modification is necessary to meet water quality objectives in water quality control plans which have been or hereafter may be established or modified pursuant to Division 7 of the Water Code. No action will be taken pursuant to this paragraph unless the SWRCB finds that: (1) adequate waste discharge requirements have been prescribed and are in effect with respect to all waste discharges which have any substantial effect upon water quality in the area involved, and (2) the water quality objectives cannot be achieved solely through the control of waste discharges. (0000013)

3. An endangered Species term shall be added to read as follows:

This permit does not authorize any act which results in the taking of a threatened or endangered species or any act which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish and Game Code sections 2050 to 2097) or the federal Endangered Species Act (16 U.S.C.A. sections 1531 to 1544). If a "take" will result from any act authorized under this water right, the permittee shall obtain authorization for an incidental take prior to construction or operation of the project. Permittee shall be responsible for meeting all requirements of the applicable Endangered Species Act for the project authorized under this permit. (0000014)

**Dated:** 10/30/2000

STATE WATER RESOURCES CONTROL BOARD

Gerald E. Johns

for Chief, Division of Water Rights

STATE OF CALIFORNIA
RESOURCES AGENCY
STATE WATER RIGHTS BOARD

# ORDER

APPLICATION 12622 PERMIT 11360 LICENSE

## ORDER ALLOWING CHANGE IN PLAN OF DEVELOPMENT

WHEREAS the State Water Rights Board has found that the change in plan of development under Application 12622, Permit 11360, for which petition was submitted on April 30, 1965, will not operate to the injury of any other legal user of water, and

WHEREAS the Board has approved and allowed said change and has directed that an order be issued to allow said change in plan of development in accordance with said petition; and

WHEREAS applicant has described said plan of development in a supplement filed as a part of said petition on April 30, 1965, and

WHEREAS said supplement was submitted on Form Number 1, the standard form of the State Water Rights Board for application to appropriate unappropriated water of the State of California, and

NOW THEREFORE IT IS ORDERED that permission be and the same is hereby granted to change the plan of development under said Application 12622, Permit 11360, and

IT IS FURTHER ORDERED that said supplement be attached to and made a part of said Permit 11360, in order that said permit accurately describe applicant's plan of development.

WITNESS my hand and the seal of the State Water Rights Board of the State of California this 2 nd day of September, 1965

L. K. Hill
Executive Officer

FORM 100

34735-957 11-64 1M OSP

FILE IN DUPLICATE

[For full information concerning the filling out of this form refer to Article 4 of Rules and Regulations Pertaining to Appropriation of Water]

STATE OF CALIFORNIA—STATE WATER RIGHTS BOARD

SUPPLEMENT FOR PETITION (Received April 30, 1965)

**Application No.** 12622 **Filed** February 13, 1948, **at** 11:06 A.M.
(Applicant must not fill in the above blanks)

AMENDED FEBRUARY 13, 1953

# APPLICATION TO APPROPRIATE UNAPPROPRIATED WATER

I, City of Sacramento
Name of applicant or applicants

of City Hall, Sacramento County of Sacramento
Address

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

## Source, Amount, Use and Location of Diversion Works

1. **The source** of the proposed appropriation is See supplement
Give name of stream, lake, etc., if named; if unnamed state nature of source and that it is unnamed

located in County, tributary to

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 See supplement cubic feet per second
1 cubic foot per second equals 40 statute miner's inches or 646,317 gallons per day

to be diverted from to of each year.
Beginning date Closing date

*(b)* For diversion to be stored and later applied to beneficial use See supplement acre-feet per annum
1 acre-foot equals 325,851 gallons

to be collected between and of each season.
Beginning date Closing date

NOTE.—Answer *(a)* or *(b)* or both *(a)* and *(b)* as may be necessary. If amount under *(a)* is less than .025 cubic foot per second, state in gallons per day. Neither the amount nor the season may be increased after application is filed. If underground storage is proposed a special supplemental form will be supplied by the State Water Rights Board upon request.

3. **The use** to which the water is to be applied is municipal (including domestic, industrial and recreational)
Domestic, irrigation, power, municipal, mining, industrial, recreational purposes.

4. **The point of diversion** is to be located See supplement
State bearing and distance or coordinate distances from section or quarter section corner

being within the
State 40-acre subdivision of public land survey or projection thereof

of Section , T. , R. , B. & M., in the County of

5. **The main conduit terminates in** City of Sacramento of Sec. See supplement to paragraph 4, T. , R. , B. & M.
State 40-acre subdivision of U. S. Government survey or projection thereof

## Description of Diversion Works

**NOTE.—An application cannot 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) See supplement

*(a)* Diversion will be made by pumping from
Sump, offset well, unobstructed channel, etc.

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

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

7. **Storage Reservoir** See supplement
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. If reservoir has a capacity of 25 acre-feet or more fill in the following: Diameter of outlet pipe inches; length feet; difference in elevation from spillway level to highest point of outlet pipe feet; fall in pipe 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) see supplement

(a) Canal, ditch, flume: Width on top (at water line) _____ feet; width at bottom _____
Cross out two not used

feet; depth of water _____ feet; length _____ feet; grade _____ feet per 1,000 feet; materials of construction _____
Earth, rock, timber, etc.

(b) Pipe line: Diameter _____ inches; length _____ feet; grade _____ feet per 1,000 feet; total fall / lift from intake to outlet _____ feet; kind _____
Riveted steel, concrete, 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 conduit or pumping plant proposed is see supplement
State cubic feet per second or gallons per minute
For entire Upper American River Project

**The estimated cost** of the diversion works proposed is $208,750,000
Give only cost of intake, or headworks, pumps, storage reservoirs and main conduits described herein

## Completion Schedule

10. Construction work ~~will begin on or before~~ July 1, 1959

Construction work will be completed on or before December 1, 1970

The water will be completely applied to the proposed use on or before December 31, 2030

Treatment Plant at Collector No. 1 completed March, 1963.
Initial unit of American River Water Treatment Plant completed, January, 1964

## Description of Proposed Use

11. **Place of Use.** Within the City of Sacramento and adjacent areas, an area of 96,000 acres as shown on map.
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 of all 40-acre tracts, describe area in a general way and show detail upon map.

Do(es) applicant(s) own the land whereon use of water will be made? _____ Jointly? _____
Yes or No — Yes or No
All joint owners should include their names as applicants and sign application at bottom of third page.

Applicant is a municipal corporation.
If applicant does not own land whereon use of water will be made, give name and address of owner and state what arrangements have been made with him.

12. **Other Rights.** Describe all rights except those on file with the State Water Rights Board under which water is served to the above named lands.

| Nature of Right (riparian, appropriative, purchased water, etc.) | Year of First Use | Use made in recent years including amount if known | Season of Use | Source of Other Supply |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| | | | | |

Attach supplement at top of page 3 if necessary.

13. **Irrigation Use.** 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; pasture _____ 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 — Closing date

14. **Power Use.** The total fall to be utilized is _____ 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 _____ cubic feet per second.

The maximum theoretical horsepower capable of being generated by the works is _____ horsepower.
Second feet × fall ÷ 8.8

The use to which the power is to be applied is _____
For distribution and sale or private use, etc.

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

The size of the nozzle to be used is _____ inches.

The water will / will not be returned to _____ in _____ of
Name stream — State 40-acre subdivision

Sec. _____, T. _____, R. _____, _____ B. & M.

APPLICANT MUST NOT FILL IN BLANKS BELOW

# PERMIT No._____

This is to certify that the application of which the foregoing is a true and correct copy has been considered and approved by the State Water Rights Board SUBJECT TO VESTED RIGHTS and the following limitations and conditions:

1. The amount of water appropriated shall be limited to the amount which can be beneficially used, and shall not exceed

2. The maximum amount herein stated may be reduced in the license if investigation warrants.

3. Actual construction work shall begin on or before and shall thereafter be prosecuted with reasonable diligence, and if not so commenced and prosecuted this permit may be revoked.

4. Said construction work shall be completed on or before

5. Complete application of the water to the proposed use shall be made on or before

6. Progress reports shall be filed promptly by permittee on forms which will be provided annually by the State Water Rights Board until license is issued.

7. All rights and privileges under this permit including method of diversion, method of use and quantity of water diverted are subject to the continuing authority of the State Water Rights Board in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

8. Permittee shall allow representatives of the State Water Rights Board and other parties, as may be authorized from time to time by said Board, reasonable access to project works to determine compliance with the terms of this permit.

*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).

*Dated:*

STATE WATER RIGHTS BOARD

FORM 61-A

# IMPORTANT

## [Please Read Carefully]

1. *Note the terms and conditions of this permit.* Construction work must be prosecuted, and the water applied to the beneficial uses intended with due diligence. Annual reports of progress will be expected from you upon forms which will be furnished for the purpose. When the water has been fully applied to the beneficial uses intended the Water Code requires that you notify the State Water Rights Board thereof.
2. Neither this application nor the permit is a water right, but *if the terms and conditions of the permit are observed a water right can be obtained through beneficial use of the water*—the extent of the right to be determined by a field inspection which will be made by a representative of the State Water Rights Board.
3. *No change in point of diversion, or place of use or character of use, can be made under this application and permit* without the approval of the State Water Rights Board.
4. *If the rights under this permit are assigned* immediate notice to that effect with the name and address of the new owner should be forwarded to the State Water Rights Board, Sacramento, California.
5. *Please advise immediately of any change of address.* Until otherwise advised communications will be sent to the address used in the letter transmitting this permit.

74032 4-57 2M SPO

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12622

SUPPLEMENT TO AMENDED APPLICATION

Paragraph 1 - Source of Water

(1) Rubicon River in El Dorado County, tributary of the Middle Fork of the American River.

(2) Rock Bound Creek located in El Dorado County, tributary of the Rubicon River.

(3) Gerle Creek located in El Dorado County, tributary of the South Fork of the Rubicon River.

(4) South Fork of the Rubicon River located in El Dorado County, tributary of the Rubicon River.

SUPPLEMENT TO AMENDED APPLICATION

Paragraph 2 - Amount of Water to be appropriated

| | Source | Direct Diversion (Sec. ft.) | Diversion To Storage (ac. ft.) |
|---|---|---|---|
| (1) | Rubicon River | 500 | 75,000 |
| (2) | Rock Bound Creek | 200 | 14,000 |
| (3) | Gerle Creek | 325 | 130,000 |
| (4) | South Fork Rubicon River | 175 | 95,000 |
| | | 1,200 | 314,000 |

Season of Diversion - Sacramento Municipal Utility District - Upper American River Project

Direct diversion will be made between January 1 and December 31 of each year.

Diversion to storage will be between October 1 and July 31 of each season. Amounts include refill. Storage yields are considered independent of one another and all may not reach maximum amounts in any one season.

Season of Diversion - City of Sacramento - Municipal Use

Direct diversion will be made between November 1 and August 1 of each season.

Diversion to storage will be between November 1 and July 31 of each season. Amounts include refill. Storage yields are considered independent of one another and all may not reach maximum amounts in any one season.

# SUPPLEMENT TO AMENDED APPLICATION

Paragraph 4 - Points of Diversion and Rediversion

| Point of Diversion | Bearing To Section Corner | Section Corner | Diversion Located Within |
|---|---|---|---|
| (1) Rubicon River | S. 4° 30' W. 1850 ft. | SW Cor. Sec. 9 T 13 N, R 16 E | NW¼ of SW¼ of said Section 9 |
| **Points of Diversion and/or Rediversion** | | | |
| (2) Rockbound Creek | N.27°20' W. 2050 ft. | NW Cor. Sec. 6 T 13 N, R 16 E | SW¼ of NW¼ of said Section 6 |
| (3) Gerle Creek | | | |
| A. Loon Lake Dam | N.3°59'36" E.2083.30 ft. | NE Cor. Sec. 5 T 13 N, R 15 E | SE¼ of NE¼ of said Section 5 |
| B. Gerle Dam | N.89°53'06" E. 2166.79 ft. | SE Cor. Sec. 15 T 13 N, R 14 E | Lot 14 of said Section 15 |
| (4) South Fork Rubicon River | | | |
| A. Robbs Peak Dam | N.42°28'52" E 2037.57 ft. | NE Cor. Sec. 27 T.13 N, R 14 E | SW¼ of NE¼ of said Section 27 |
| (5) Silver Creek | | | |
| A. Union Valley Dam | S.12°28'13" W. 712.79 ft. | SW Cor. Sec. 20 T 12 N, R 14 E | SW¼ of SW¼ of said Section 20 |
| B. Junction Dam | S.47°16'41" W. 1986.05 ft. | SW Cor. Sec. 30 T 12 N, R 14 E | SW¼ of SW¼ of said Sec. 30 |
| C. Camino Dam | N.12°38'03" W.2856.36 ft. | NW Cor. Sec. 4 T 11 N, R 13 E | Lot 9 of said Sec. 4 |
| (6) Brush Creek | S.35°00' E. 2450 ft. | SE Cor. Sec.10 T 11 N, R 12 E | NW¼ of SE¼ of said Sec. 10 |
| **Points of Rediversion** | | | |
| (7) South Fork American River | | | |
| A. Slab Creek Dam | S.35°39'55" W.3622.27 ft. | SW Cor. Sec. 25 T 11 N, R 11 E | SE¼ of NW¼ of Section 25 |
| B. Chili Bar Dam | S.52°36'08" W.3163.80 ft. | SW Cor. Sec. 25 T 11 N, R 10 E | NE¼ of SW¼ of said Section 25 |
| (8) American River | | | |
| A. American River Water Treatment Plant | S.55°58' W. 3710 ft. | NW Cor. Sec. 15 T 8 N, R 5 E | NW¼ of SE¼ of projected Sec.10 |

B. Additional points of rediversion for municipal use may be established on American River between Folsom Dam and Sacramento River when distribution of water from the American River Water Treatment Plant to portions of the future extended service area becomes impractical.

SUPPLEMENT TO AMENDED APPLICATION

Paragraph 4 - Points of Diversion and Rediversion (Cont'd.)

| Diversion | Bearing To Section Corner | Section Corner | Diversion Located Within |
|---|---|---|---|
| (9) Sacramento River | | | |
| A. Sacramento River Water Treatment Plant | N. 40°00'E. 2110 ft. | NE Cor. proj'd. Sec. 35 T 9 N, R 4 E | SW¼ of NE¼ of said projected Section 35 |
| B. Water Collector No. 1 | N. 75°00'E. 2950 ft. | NE Cor. proj'd. Sec. 14, T 8 N, R 4 E | NE¼ of NW¼ of said projected Section 14 |

Water from Rubicon River is diverted by Rubicon Dam through Rockbound Tunnel to Rockbound Lake. There it will comingle with water from Rockbound Creek and together be delivered through Buck Island Lake Reservoir and Buck-Loon Tunnel to Loon Lake Reservoir. It is then comingled with water from Gerle Creek and released through a power tunnel to Loon Lake Powerhouse. Water from Loon Lake Powerhouse is then comingled with additional water from Gerle Creek and South Fork Rubicon River at Robbs Peak Dam and diverted by Robbs Peak Tunnel through Robbs Peak Powerhouse into Union Valley Reservoir where it comingles with water from South Fork Silver Creek and Silver Creek.

From Union Valley Reservoir these waters are released through Union Valley Powerhouse to Silver Creek, immediately rediverted by Junction Dam through Jaybird Tunnel and Powerhouse to Silver Creek, immediately rediverted by Camino Dam and a portion of this water is regulated at Brush Creek Reservoir and released through the Camino Power Tunnel and Powerhouse to the South Fork American River, rediverted by Slab Creek Dam through White Rock Power Tunnel and Powerhouse to the South Fork American River and thence rediverted at Chili Bar Dam through the Chili Bar Powerhouse to the South Fork American River. These waters with additional water from the South Fork and the Middle Fork of the American River flow down the natural channel of the American River to Folsom Reservoir.

SUPPLEMENT TO AMENDED APPLICATION

Paragraph 4 - Points of Diversion and Rediversion (Cont'd.)

These waters and other water are released through Folsom Dam and Powerhouse into Lake Natoma; thence released through Nimbus Dam and Powerhouse onto the natural channel of the American River and will be rediverted for municipal use at American River Water Treatment Plant and at other points of rediversion on the American River below Folsom Dam; and at Sacramento River Water Treatment Plant and Water Collector No. 1 on Sacramento River.

Intake to American River Water Treatment Plant is located in the main low water channel of American River approximately 3800 feet upstream from H Street Bridge. Intake to Sacramento River Water Treatment Plant is located within the channel and near the left bank of Sacramento River approximately 1300 feet downstream from confluence of American River and approximately 2800 feet upstream from the I Street Bridge. Water Collector No. 1 is located on the left bank of Sacramento River approximately 12,400 feet downstream from Tower Bridge.

SUPPLEMENT TO AMENDED APPLICATION

Paragraph 6 - Dimensions of Dams

| Dam | Height Ft. (*) | Crest Length (ft.) | Surface Area (acres) | Gross Capacity (ac. ft.) | Type |
|---|---|---|---|---|---|
| 1. Rubicon | 31 | 1140 | 108 | 1,750 | Conc. Gravity |
| 2. Buck Island | 32 | 540 | 86 | 1,330 | Conc. Gravity |
| 3. Loon Lake | 100 | 3480 | 1450 | 76,500 | Rock Fill |
| 4. Gerle Creek | 70 | 395 | 57 | 1,000 | Conc. Gravity |
| 5. Robbs Peak | 37 | 275 | 2 | 50 | Conc. Gravity |
| 6. Union Valley | 428 | 1860 | 2860 | 271,000 | Earth Fill |
| 7. Junction | 168 | 520 | 64 | 3,250 | Conc. Arch |
| 8. Camino | 118 | 440 | 17 | 845 | Conc. Arch |
| 9. Brush Creek | 180 | 450 | 20 | 1,260 | Earth Fill |
| 10. Slab Creek | 230 | 880 | 247 | 16,600 | Conc. Arch |
| 11. Chili Bar | 96 | 388 | 140 | 3,700 | Conc. Gravity |

(*) Height from foundation to crest of dam.

Paragraph 6 - Intake

Direct diversion and rediversion of stored water for municipal use will be made by pumping from the unobstructed natural channels of the American River and Sacramento River.

SUPPLEMENT TO AMENDED APPLICATION

Paragraph 7 - Lands Flooded

The surface area and capacity of each of the two storage reservoirs under this application are given by the tabulation as shown in Paragraph 6.

The sections within which land will be flooded by each of the storage reservoirs are as follows and as shown on map filed in support of application:

(1) Loon Lake - Secs. 33 and 34, T 14 N, R 15 E, M.D.B.&M.
Secs. 3, 4, 5, 7, 8, 9 and 17, T 13 N, R 15 E, M.D.B. & M.

(2) Union Valley - Secs. 11, 13, 14, 15, 16, 17, 20, 21, 22 23, 24, 26, 27, 28 and 29, T 12 N, R 14 E, M.D.B. & M.

SUPPLEMENT TO AMENDED APPLICATION

Paragraphs 8 and 9 - Conduit System

The dimensions and capacities of the main conduits are as follows:

| | Size | Length (ft.) | Grade | Capacity (sec. ft.) | Type |
|---|---|---|---|---|---|
| **A. Tunnels** | | | | | |
| 1. Rockbound | 13' | 1,170 | 0.0030 | 1,050 | 80% unlined<br>20% conc. lined |
| 2. Buck-Loon | 13' | 8,230 | 0.0045 | 1,200 | 90% unlined<br>10% conc. lined |
| 3. Loon Lake PH (underground) | 11'<br>11'<br>16' | 1,200<br>1,400<br>18,300 | 0.0025<br>1,1917<br>0.0020 | 1,120<br>1,120<br>1,120 | Conc. lined HS<br>Conc. & steel lined<br>Unlined HS Tailrace Tunnel (free flow) |
| 4. Gerle Canal | 18' Bottom | 10,460 | 0.0002 | 1,120 | Unlined canal |
| 5. Robbs Peak | 13' | 16,920 | 0.0020 | 1,120 | 80% unlined<br>20% conc. lined |
| 6. Union Valley | 11' | 2,000 | 0.0025 | 1,450 | Conc. & steel lined |
| 7. Jaybird | 14' | 21,300 | 0.0025 | 1,330 | 80% unlined<br>20% conc. lined |
| 8. Camino | 14' | 26,600 | 0.0025 | 2,050 | 80% unlined<br>20% conc. lined |
| 9. Brush Creek | 14' | 5,000 | 0.0025 | 1,200 | 80% unlined<br>20% conc. lined |
| 10. White Rock | 24' | 25,000 | 0.0025 | 3,500 | 80% unlined<br>20% conc. lined |
| **B. Penstocks** | | | | | |
| 1. Robbs Peak | 120"/84" | 2,700 | 0.14 | 1,120 | Single steel pipe |
| 2. Union Valley | 120"/84" | 1,420 | 0.02 | 1,450 | Single steel pipe |
| 3. Jaybird | 132"/111" | 2,500 | 0.68 | 1,330 | Single steel pipe |
| 4. Camino | 144"/120" | 1,600 | 0.91 | 2,050 | Single steel pipe |
| 5. White Rock | 180" | 1,120 | 0.67 | 3,500 | Single steel pipe |
| 6. Chili Bar | 169" | 75 | 0.31 | 1,900 | Single steel pipe |

SUPPLEMENT TO AMENDED APPLICATION

Paragraphs 8 and 9 - Conduit System (Cont'd.)

| C. Pumping Plants (Existing) | Present Capacity (sec. ft.) | Ultimate Capacity (sec. ft.) |
|---|---|---|
| 1. American River Water Treatment Plant | 150 | 675 |
| 2. Sacramento River Water Treatment Plant | 200 | 225 |
| 3. Water Collector No. 1 | 40 | 40 |

# SUPPLEMENT TO AMENDED APPLICATION

Paragraph 15 - Municipal Use

The waters herein applied for and proposed to be rediverted for municipal use are all those waters which may be released from time to time, both by direct diversion and by release from storage, into the stream system of the South Fork of the American River from the Upper American River Development of the Sacramento Municipal Utility District.

These waters will be recaptured in Folsom Reservoir and Lake Natoma for storage and regulated release into the natural channel of the American River from which they will be rediverted for municipal use in the City of Sacramento and adjacent areas, all within the Sacramento Municipal Utility District.

SUPPLEMENT TO AMENDED APPLICATION

Paragraph 15 - Municipal Use (Cont'd.)

CITY OF SACRAMENTO

Estimated Growth of Demand for Water for Municipal Use

Water Use - An. Ave.

| Year | Population | Pop. Incs. (a) | Gpd per Cap. | M. Gpd. | s.f. | Peak sf (b) | An.Af. | An. Lf. % |
|---|---|---|---|---|---|---|---|---|
| 1951 | 139,800 | | 252 | 35.2 | 54.6 | 97 | 39,500 | 56 |
| | | 64,200 (46%) (An.4.3%) | | | | | | |
| 1960 | 204,000 | | 252 | 51.4 | 79.7 | 142 | 57,800 | 56 |
| | | 84,000 (41.2%) (An.3.5%) | | | | | | |
| 1970 | 288,000 | | 250 | 72.0 | 111.6 | 203 | 80,700 | 55 |
| | | 104,000 (36.1%) (An.3.1%) | | | | | | |
| 1980 | 392,000 | | 249 | 97.6 | 151.3 | 280 | 110,000 | 54 |
| | | 124,000 (31.6%) An.2.8%) | | | | | | |
| 1990 | 516,000 | | 248 | 128.0 | 198.4 | 374 | 143,500 | 53 |
| | | 144,000 (27.9%) (An.2.5%) | | | | | | |
| 2000 | 660,000 | | 247 | 163.0 | 252.6 | 486 | 183,500 | 52 |
| | | 164,000 (24,8%) (An.2.3%) | | | | | | |
| 2010 | 824,000 | | 246 | 202.7 | 314.2 | 616 | 227,500 | 51 |
| | | 184,000 (22.3%) (An.2.0%) | | | | | | |
| 2020 | 1,008,000 | | 245 | 247.0 | 382.8 | 766 | 278,000 | 50 |
| | | 184,000 (18.3%) (An.1.7%) | | | | | | |
| 2030 | 1,192,000 | | 244 | 290.8 | 450 | 900 | 326,800 | 50 |

(a) Pop. increments incl. annexations
(b) Max. 30 day (consec.) average

Actual Population in 1965 = 263,000
Actual Annual Water Demand in 1964 = 62,700 ac. ft.

# SUPPLEMENT TO AMENDED APPLICATION

Paragraph 19 - Ownership of Land at Points of Diversion

Sacramento Municipal Utility District controls points of diversion and rediversion to storage by ownership, written agreement, or Federal Power Commission License.

City of Sacramento controls points of diversion and rediversion for municipal use by ownership and permits from State Reclamation Board.

FILE IN DUPLICATE

[For full information concerning the filling out of this form refer to Article 4 of Rules and Regulations Pertaining to Appropriation of Water]

STATE OF CALIFORNIA—STATE WATER RIGHTS BOARD

Application No. 12622 Filed July 29, 1948 at 4:36 P. M.
(Applicant must not fill in the above blanks)

# APPLICATION TO APPROPRIATE UNAPPROPRIATED WATER

AMENDED APPLICATION RECEIVED FEBRUARY 13, 1953

SUPERSEDED

I, Sacramento Municipal Utility District assigned to City of Sacramento July 1, 1957
Name of applicant

of Sacramento County of Sacramento
Address

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

## Source, Amount, Use and Location of Diversion Works

1. **The source** of the proposed appropriation is See supplement
Give name of stream, lake, etc., if named; if unnamed state nature of source and that it is unnamed

located in El Dorado County, tributary to

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 see supplement cubic feet per
1 cubic foot per second equals 40 statute miner's inches or 646,317 gallons per day

second, to be diverted from to of each year.
Beginning date Closing date

*(b)* For diversion to be stored and later applied to beneficial use acre-feet
1 acre-foot equals 325,851 gallons

per annum, to be collected between and of each season.
Beginning date Closing date

NOTE.—Answer *(a)* or *(b)* or both *(a)* and *(b)* as may be necessary. If amount under *(a)* is less than .025 cubic foot per second, state in gallons per day. Neither the amount nor the season may be increased after application is filed. If underground storage is proposed a special supplemental form will be supplied by the State Water Rights Board upon request.

SUPERSEDED

3. **The use** to which the water is to be applied is municipal
Domestic, irrigation, power, municipal, mining, industrial, recreational

purposes.

4. **The point of diversion** is to be located see supplement.
State bearing and distance or coordinate distances from section or quarter section corner

being within the
State 40-acre subdivision of public land survey or projection thereof

of Section , T. , R. , B. & M., in the County of
see supplement to Paragraph 4

5. **The main conduit** terminates in of Sec. , T. , R. , B. & M.
State 40-acre subdivision of U. S. Government survey or projection thereof

## Description of Diversion Works

SUPERSEDED

NOTE.—An application cannot 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) see supplement

*(a)* Diversion will be made by pumping from
Sump, offset well, unobstructed channel, etc.

*(b)* Diversion will be by gravity, the diverting dam being feet in height (stream bed to level of overflow); feet long on top; and constructed of
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** see supplement
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.

FORM 1

8. **Conduit System** (describe main conduits only) See supplement

(a) Canal, ditch, flume: Width on top (at water line) _____ feet; width at bottom _____ feet; depth of water _____ feet; length _____ feet; grade _____ feet per 1,000 feet; materials of construction _____
Cross out two not used
Earth, rock, timber, etc.

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

SUPERSEDED

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 conduit or pumping plant proposed is 500 cubic feet per second
State cubic feet per second or gallons per minute

**The estimated cost** of the diversion works proposed is $10,000,000.00
Give only cost of intake, or headworks, pumps, ditches, reservoirs and main conduits described herein

## Completion Schedule

10. **Construction work** will begin on or before July 1, 1955

Construction work will be completed on or before July 1, 1959

The water will be completely applied to the proposed use on or before January 1, 2005

## Description of Proposed Use

11. **Place of Use.** Within the Sacramento Municipal Utility District, the boundaries of which are shown on map filed with State Water Rights Board.
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 of all 40-acre tracts, describe area in a general way and show detail upon map.

Do(es) applicant(s) own the land whereon use of water will be made? No
Yes or No

Jointly? _____
Yes or No

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

SUPERSEDED

12. **Other Rights.** Describe all rights except those on file with the State Water Rights Board under which water is served to the above named lands.

| Nature of Right (riparian, appropriative, purchased water, etc.) | Year of First Use | Use made in recent years including amount if known | Season of Use | Source of Other Supply |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| | | | | |

Attach supplement at top of page 3 if necessary.

13. **Irrigation Use.** 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; pasture _____ 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.

SUPERSEDED

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

14. **Power Use.** The total fall to be utilized is _____ 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 _____ cubic feet per second.

The maximum theoretical horsepower capable of being generated by the works is _____ horsepower.
Second feet × fall ÷ 8.8

The use to which the power is to be applied is _____
For distribution and sale, private use, etc.

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

The size of the nozzle to be used is _____ inches.

The water will / will not be returned to _____ in _____ of
Name stream — State 40-acre subdivision

Sec. _____, T. _____, R. _____, _____ B. & M.

SUPPLEMENT TO APPLICATION

SUPERSEDED

Paragraph 1 - Source of Water

(1) Rubicon River in El Dorado County, tributary of the Middle Fork of the American River.

(2) Rock Bound Creek located in El Dorado County, tributary of the Rubicon River.

(3) Gerle Creek located in El Dorado County, tributary of the South Fork of the Rubicon River.

(4) South Fork of the Rubicon River located in El Dorado County, tributary of the Rubicon River.

SUPERSEDED

A 12622-1

SUPPLEMENT TO APPLICATION

Paragraph 2 - Amount of Water to be Appropriated

| SOURCE | DIRECT DIVERSION sec. ft. | DIVERSION TO STORAGE ac. ft. |
|---|---|---|
| (1) Rubicon River | 500 | 75,000 |
| (2) Rock Bound Creek | 200 | 14,000 |
| (3) Gerle Creek | | 25,000 |
| (4) South Fork *Rubicon River* | 500 | [illegible] |

SUPERSEDED

Per D-893

Direct diversion will be made between ~~January~~ November 1 and ~~December~~ August 31 of each year. Maximum direct diversion will not exceed 500 sec. ft. at any time and will be diverted first from (4) South Fork, supplemented only if necessary from (2) Rock Bound Creek and (1) Rubicon River.

Diversion to storage will be between ~~October 1~~ November 1 and July 31 of each ~~year~~ season. Amounts include refill. Storage yields are considered independent of one another and all may not reach maximum amounts during any one season. Part of above storage will be made in Union Valley Reservoir.

SUPERSEDED

A 12622-2

SUPPLEMENT TO APPLICATION

Paragraph 4 - Points of Diversion and Rediversion

SUPERSEDED

| DIVERSION PT. | BEARING TO SECTION CORNER | SECTION CORNER | DIVERSION LOCATED WITHIN |
|---|---|---|---|
| (1) Rubicon R. | N.19°30'W. 3170 ft. | NW Cor. Sec. 9 T. 13 N., R. 16 E. | NW¼SW¼ of said Section 9 |
| (2) Rock Bound Lake | N.11°30'E. 3760 ft. | NE Cor. Sec. 6 T. 13 N., R. 16 E. | Lot 23 of said Section 6 |
| (x) Buck Isl. Lake | N.64°00'E. 3870 ft. | NE Cor. Sec. 6 T. 13 N., R. 16 E. | Lot 13 of said Section 6 |
| (3) Loon Lake | N.19°00'E. 1700 ft. | NE Cor. Sec. 5 T. 13 N., R. 15 E. | SE¼NE¼ of said Section 5 |
| (4) South Fork Rubicon R. | S.78°44'E. 3890 ft. | S.¼ Cor. Sec. 22 T. 13 N., R. 14 E. | SE¼SE¼ of Sec. 21 T. 13 N., R. 14 E. |
| (b) Union Valley Dam | S.72°30'E. 3350 ft. | SE Cor. Sec. 20 T. 12 N., R. 14 E. | SE¼SW¼ of said Section 20 |
| (c) Junct. Dam | S.65°30'E. 3550 ft. | SE Cor. Sec. 30 T. 12 N., R. 14 E. | NE¼SW¼ of said Section 30 |
| (d) Camino Div. Dam | N.26°00'W. 2100 ft. | NW Cor. Sec. 4 T. 11 N., R. 13 E. | Lot 8 of said Section 4 |
| (e) Slab Creek Dam | N.47°00'E. 2990 ft. | NE Cor. Sec. 19 T. 11 N., R. 12 E. | SW¼NE¼ of said Section 19 |

Water from Rubicon River is diverted by Rubicon Dam through Rubicon-Rock Bound Tunnel to Rock Bound Lake. There it will commingle with water from Rock Bound Creek and together be delivered through Buck Island Lake and Buck Island-Loon Lake Tunnel to Loon Lake, whence it is released into the natural channel of Gerle Creek to be recaptured along with water from Gerle Creek and water from South Fork Rubicon River at Sawmill Dam and conducted by Robbs Peak Tunnel to Union Valley Reservoir.

SUPERSEDED

A12622-3

(Continued)

Par. 4 (Contd.)

From Union Valley Reservoir, these waters are released through Union Valley Power House to Silver Creek, immediately rediverted by Junction Dam through Jaybird Power House Tunnel and Power House to Silver Creek, immediately rediverted by Camino Dam through Camino Power House Tunnel and Power House to South Fork of American River, rediverted by Slab Creek Dam through White Rock Power House Tunnel and Power House to South Fork American River and American River to final diversion from American River between a point bearing N. 31° E., 2600 ft. to NE Corner Section 24, T. 10 N., R. 7 E., MDBM (river channel at Folsom Dam) and a point bearing N. 20° E., 6100 ft. to SE Corner Section 23, T. 9 N., R. 4 E., MDBM (junction of American and Sacramento Rivers), for municipal ~~or irrigation~~ use within ~~or adjacent to~~ the District.

SUPERSEDED

see memo of [illegible]

SUPERSEDED

A12622-4

SUPPLEMENT TO APPLICATION

Paragraph 6 - Dimensions of Dams

| DAM | HEIGHT ft.(*) | CREST LENGTH ft. | SURFACE AREA acres | GROSS CAPACITY ac. ft. | TYPE |
|---|---|---|---|---|---|
| (1) Rubicon | 29 | 940 | 146.5 | 2160 | Rock Fill |
| Rub. Spillwy | 25 | 540 | - | - | Conc. Grav. |
| (2) Rock Bound | 21 | 480 | 191 | 3200 | Rock Fill |
| (x) Buck Island | 30 | 700 | 87 | 1371 | Rock Fill |
| (3) Loon Lake | 113 | 1600 | [illegible] | 48000 | Rock Fill |
| Loon Aux. | 47 | 1300 | - | - | Earth Fill |
| (4) Sawmill | 77 | 266 | 19.5 | 492 | Conc. Arch. |
| (b) Union Valley | 338 | 1700 | 2204 | 81000 | Rock Fill |
| (c) Junction | 123 | 435 | 58 | [illegible] | Conc. Arch. |
| (d) Camino | 63 | 260 | 6 | 15[illegible] | Conc. Grav. |
| (e) Slab Creek | 150 | 485 | 140 | 8400 | Conc. Arch. |

(*) Height from present low water to maximum storage level

SUPERSEDED

SUPERSEDED

A/2622-5

SUPPLEMENT TO APPLICATION

Paragraph 7 - Lands Flooded

The surface area and capacity of each of the 9 reservoirs involved in the utilization of water under this application are given by the tabulation as shown in Paragraph 6.

The sections within which land will be flooded by each of the reservoirs are as follows:

(1) Rubicon - Secs. 8, 9 and 16, T. 13 N., R. 16 E., MDM

(2) Rock Bound - Secs. 5, 6, 7 and 8, T. 13 N., R. 16 E., MDM

(x) Buck Island - Sec. 6, T. 13 N., R. 16 E. MDM

(3) Loon Lake - Secs. 33 and 34, T. 14 N., R. 15 E., MDM
Secs. 3,4,5,7,8,9 and 17, T. 13 N., R. 15 E. MDM

(4) Sawmill - Secs. 21 and 22, T. 13 N., R. 14 E., MDM

(b) Union Valley - Secs. 11, 14, 15, 16, 17, 20, 21, 22, 23, 26, 27, 28 and 29, T. 12 N., R. 14 E. MDM

(c) Junction Res. - Secs. 19 and 30, T. 12 N., R. 14 E. MDM

(d) Camino Res. - Sec. 4, T. 11 N., R. 13 E., MDM

(e) Slab Cr. Res. - Secs. 15, 16, 19, 20, 21 and 22, T. 11 N., R. 12 E., MDM

SUPERSEDED

SUPERSEDED

A12622-6

SUPPLEMENT TO APPLICATION

Paragraph 8 - Conduit System

The dimensions and capacities of the main conduits are as follows:

| | SIZE | LENGTH | GRADE | CAPACITY sec. ft. | TYPE |
|---|---|---|---|---|---|
| (a) Tunnels | | | | | |
| Rubicon-Rock Bound | 9'x9' | 1020 | .005 | 500 | Unlined |
| Buck Island Loon Lake | 9'x9' | 8350 | .005 | 500 | Unlined |
| Robbs Peak | 9'x9' | 22000 | .0067 | 500 | Unlined |
| Union Val. P.H. | 9.0' D. | 2020 | .003 | 800 | Steel lined |
| Jaybird P.H. | 12.75'x13.5' | 23300 | .003 | 800 | (80% unlined<br>(20% conc. lined |
| Camino P.H. | 12.75'x13.5' | 27200 | .003 | 800 | (80% unlined<br>(20% conc. lined |
| White Rock P.H. | 13.5'x13.5' | 31050 | .003 | 800 | (80% unlined<br>(20% conc. lined |
| (b) Pipe Lines (Penstocks) | | | | | |
| Union Val. P.H. | 84/96" | 300 | .68 | 800 | Single steel pipe |
| Jaybird P.H. | (108" | 200 | .125 | 800 | (Single steel pipe |
| | (60/78" | 2510 | .66 | 800 | (Dual " " |
| Camino P.H. | 78/102" | 1720 | .70 | 800 | Single steel pipe |
| White Rock P.H. | 78/108" | 1610 | .53 | 800 | Single steel pipe |

SUPERSEDED

SUPERSEDED

A12622-7

SUPPLEMENT TO APPLICATION

Paragraph 15 - Municipal Use

The waters herein applied for and proposed to be used for municipal use between the initial use thereof and its ultimate development may from time to time be released into the stream system of the South Fork of the American River. It is understood, however, that this release will be temporary only as it is the purpose of the District to recapture this water for ultimate use by the District ~~and its environs,~~ either by works constructed by itself or by utilizing works constructed by others or by contract for the purpose.

SUPERSEDED

The point of diversion of these waters for recapture may be at any point within or adjacent to the District below Folsom Dam located within the NE quarter of Section 24, T. 10 N., R. 7 E., MDBM.

The estimated quantity of use is based upon an estimated present use within the City of Sacramento of 450 gals. per person per day applied to a District population increasing at an estimated rate of 2.6% per year*.

| YEAR | POPULATION | USE TOTAL cfs | USE FROM THIS PROJECT cfs |
|---|---|---|---|
| 1950 | 277,000 | 194 | |
| 1955 | 332,000 | 231 | |
| 1960 | 400,000 | 279 | 0 |
| 1965 | 464,000 | 323 | 44 |
| 1970 | 540,000 | 377 | 98 |
| 1975 | 600,000 | 417 | 138 |
| 1980 | 680,000 | 473 | 194 |
| 1985 | 750,000 | 523 | 244 |
| 1990 | 835,000 | 582 | 303 |
| 1995 | 910,000 | 632 | 353 |
| 2000 | 1,034,618 | 719 | 440 |
| 2005 | 1,176,302 | 817 | 538 |

SUPERSEDED

* Average population increase rates per annum for period 1900 to 1950 were: United States 1.4%; California 4.0%; Sacramento County 3.7%

A 12622-8

DO NOT WRITE IN THIS SPACE
ATTACH EXTRA SHEETS HERE

15. **Municipal Use.** This application is made for the purpose of serving urban areas within Sacramento
Name city or cities, town or towns. Urban areas only
Municipal Utility District having a present population of 277,000

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:

see supplement

SUPERSEDED

16. **Mining Use.** The name of the mining property to be served is
Name of claim
and the nature of the mines is
Gold placer, 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 [illegible]. State basis of estimate
The water will / will not be polluted by chemicals or otherwise
Explain nature of pollution, if any
and it will / will not be returned to
Name stream
in
State 40-acre subdivision
of Sec. , T. , R. , B. & M.

17. **Other Uses.** The nature of the use proposed is
Industrial, recreational, domestic, stockwatering, fish culture, etc.

State basis of determination of amount needed.
Number of persons, residences, area of domestic lawns and gardens, number and kind of stock, type industrial use, and unit requirements.

SUPERSEDED

## General

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

19. Does the applicant own the land at the proposed point of diversion? No
Yes or No
. If not, give name and address of owner and state what steps have been taken to secure right of access thereto right of access will be secured

SUPERSEDED

20. What is the name of the post office most used by those living near the proposed point of diversion?

Georgetown, Camino and Placerville, California

21. What are the names and addresses of claimants of water from the source of supply below the proposed point of diversion? From Loon Lake and Gerle Creek:
Georgetown Divide Public Utility District, Georgetown, California
From North Fork of the American:
North Fork Ditch Company, Forum Building, Sacramento, California

Sacramento Municipal Utility District
[SIGNATURE OF APPLICANT] /s/ James E. McCaffery
General Manager and Chief Engineer

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APPLICANT MUST NOT FILL IN BLANKS BELOW

# PERMIT No. 11360

This is to certify that the application of which the foregoing is a true and correct copy has been considered and approved by the State Water Rights Board SUBJECT TO VESTED RIGHTS and the following limitations and conditions:

1. The amount of water appropriated shall be limited to the amount which can be beneficially used, and shall not exceed

2. The maximum amount herein stated may be reduced in the license if investigation so warrants.

3. Actual construction work shall begin on or before and shall thereafter be prosecuted with reasonable diligence, and if not so commenced and prosecuted this permit may be revoked.

4. Said construction work shall be completed on or before

5. Complete application of the water to the proposed use shall be made on or before

6. Progress reports shall be filed promptly by permittee on forms which will be provided annually by the State Water Rights Board until license is issued.

7. All rights and privileges under this permit including method of diversion, method of use and quantity of water diverted are subject to the continuing authority of the State Water Rights Board in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

*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).

*Dated:* MAY 7 1958

STATE WATER RIGHTS BOARD

L. K. Hill

L. K. Hill
Executive Officer

72103 2-59 SM ⓘ SPO

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1. The amounts of water appropriated shall be limited to the amounts which can be beneficially used. They shall be further limited to such excesses as occur at permittee's points of diversion over requirements, if any, for beneficial purposes, within the watersheds tributary to said points of diversion.

2. The amounts of water appropriated shall not exceed 500 cubic feet per second by direct diversion from Rubicon River, 500 cubic feet per second by direct diversion from South Fork Rubicon River, 200 cubic feet per second by direct diversion from Rock Bound Creek, 75,000 acre-feet per annum by storage to be collected from Rubicon River, 200,000 acre-feet per annum by storage to be collected from South Fork Rubicon River, 14,000 acre-feet per annum by storage to be collected from Rock Bound Creek and 25,000 acre-feet per annum by storage to be collected from Gerle Creek. Diversions under this permit for direct utilization and accumulation of water in storage shall both be restricted to periods extending from about November 1 of each year to about August 1 of the succeeding year.

3. The maximum amounts herein stated may be reduced in the license if investigation so warrants.

4. Actual construction work shall begin on or before July 1, 1959 and shall thereafter be prosecuted with reasonable diligence, and if not so commenced and prosecuted, this permit may be revoked.

5. Construction work shall be completed on or before December 1, 1967.

6. Complete application of the water to the proposed uses shall be made on or before December 1, 1980.

7. Progress reports shall be filed promptly by permittee on forms which will be provided annually by the State Water Rights Board.

8. Permittee shall by-pass down the natural channels of the streams covered under this permit for the purpose of maintaining fish life such flows as are provided for in that certain document entitled "Stipulation for Withdrawal of Protest" between City of Sacramento and California Department of Fish and Game, dated October 15, 1957, filed of record as Fish and Game Exhibit No. 18 of the hearing

of Applications 12321 and 12622.

9. All rights and privileges under this permit including method of diversion, method of use and quantity of water diverted are subject to the continuing authority of the State Water Rights Board in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

10. Direct diversion during the season from about August 1 to about November 1 of each year and storage from about October 1 to about October 31 of each year are not authorized by this permit.