

State of California
State Water Resources Control Board
DIVISION OF WATER RIGHTS
P.O. Box 2000, Sacramento, CA 95812-2000
Info: (916) 341-5300, FAX: (916) 341-5400, Web: <http://www.waterrights.ca.gov>

PETITION FOR EXTENSION OF TIME

WATER USERS:

Application 476 Permit 271

Water Code section 1396 requires an applicant to exercise due diligence in developing a water supply for beneficial use. The State Water Resources Control Board (SWRCB), in considering requests for extension of time, will review the facts presented to determine whether there is good cause for granting an extension of time to complete the project. Where diligence in completing the project is not fully substantiated, the SWRCB may set the matter for hearing to determine the facts upon which to base formal action relating to the permit. Formal action may involve:

1. Revoking the permit for failure to proceed with due diligence in completing the project.
2. Issuing a license for the amount of water heretofore placed to beneficial use under the terms of the permit.
3. Granting a reasonable extension of time to complete construction work and/or full beneficial use of water

The time previously allowed in your permit within which to complete construction work and/or use of water has either expired or will expire shortly.

Please check below the action you wish taken on this permit.

The project has been abandoned and I request revocation of the permit.

Full use of water has been made, both as to amount and season, and I request license be issued.

The project is not yet complete. I request the SWRCB's consideration of the following petition for an extension of time.

PETITION FOR EXTENSION OF TIME
If START of construction has been delayed

Complete items 1, 2, and 3. N/A

1. What has been done since permit was issued toward commencing construction?
2. Estimate date construction work will begin.
3. Reasons why construction work was not begun within the time allowed by the permit.

"The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demands and cut your energy costs, see our web-site at: <http://waterrights.ca.gov>."
Additional copies of this form and water right information can be obtained at www.waterrights.ca.gov.

PETITION FOR EXTENSION OF TIME
If construction work is proceeding

If construction work and/or use of water is proceeding but is not complete, an extension of time may be petitioned by completing items 4 through 16. Statements must be restricted to construction or use of water only under this permit.

4. A 25 - year extension of time is requested to complete construction work and/or beneficial use of water (Indicate a period of time less than or equal to 10 years. Must be consistent with the time frame allowed in (California Code of Regulations sections 840 through 844).
5. How much water has been used? 8,621* acre-feet/year _____ cfs
* Amount represents the amount used in 2006 under this Permit and Permit No. 16040 (Application 22061) which operate as a single unit.
6. How many acres have been irrigated? 105 acres
7. How many houses or people have been served water? 27,500± people
8. Extent of past use of water for any other purpose. Fishing and Boating
9. What construction work has been completed during the last extension? See attached.
10. Approximate amount spent on project during last extension period. See attached.
11. Estimate date construction work will be completed. 2031
12. Estimated year in which water will be fully used. 2032
13. Reasons why construction and/or use of water were not completed within time previously allowed. See attached.

If the use of water is for municipal (including industrial) and irrigation supplies and is provided or regulated by public agencies and use of the water has commenced, but additional time is needed to reach full use contemplated, the following information must be provided.

14. What water conservation measures are in effect or feasible within the place of use? See attached.
15. How much water is being conserved or is it feasible to conserve using these conservation measures? See attached.
16. How much water per capita is used during the maximum 30-day period? Approximately 289 gallons per capita per day (includes all municipal demands)

I (we) declare under penalty of perjury that the above is true and correct to the best of my (our) knowledge and belief.

Dated DECEMBER 21, 2007, at Paradise, California

(530) 877-4971

Signature(s) GEORGE BARBER, DISTRICT MGR.

Telephone No.

NOTE: A \$1,000 filing fee, for each Application listed, made payable to the State Water Resources Control Board must accompany a petition for an extension of time. An \$850 fee made payable to the Department of Fish and Game must accompany all but the first petition for an extension of time.

Attachment to Petitions for Extension of Time

**Paradise Irrigation District
Permit 271 (Application 476)
Permit 16040 (Application 22061)**

Question 9: What construction work has been completed during the last extension?

Question 10: Approximate amount spend on project during last extension period.

Paradise Irrigation District (PID) constructed two reservoirs pursuant to its Permits. Paradise Reservoir was constructed in 1956 to a storage capacity of 11,500 acre-feet (permitted capacity is 15,500 acre-feet). Magalia Reservoir was built in 1917 and now has a capacity of 2,570 acre-feet (permitted capacity is 2,800 acre-feet).

In 1997, shortly after the PID requested its last petition for extension of time, the Department of Water Resources Division of Safety of Dams directed PID to limit the allowed storage amount of the Magalia Reservoir to 800 acre-feet due to seismic stability concerns. The lower water level required that the water stored in Magalia Reservoir be pumped to PID's treatment plant, rather than conveyed by gravity. PID was required to construct a \$2.85 million dollar pumping facility and raw water storage tank to comply with this directive.

An Evaluation of Water Supply Alternatives Report was completed in 2004 that identified potential options for providing additional water supply to PID including options for increasing storage at Paradise Reservoir. This report cost \$493,000 and was partially funded by a grant. At the conclusion of this report, it was determined that the additional property required for the increase in storage would significantly impact adjacent property owners. PID felt it was necessary to also evaluate increased storage at Magalia Reservoir that could be accomplished almost exclusively on District owned property before making a final determination on the preferred project.

PID has recently completed a \$2.9 million Magalia Raw Water Bypass project to convey water released from Paradise Reservoir directly to the PID Water Treatment Plant. This project is necessary for future renovation, expansion or replacement of Magalia Dam without interruption of water service. PID has internally begun engineering studies to evaluate various alternatives for permanently restoring Magalia Reservoir to its actual storage capacity and to study increasing total PID reservoir storage. Prior to having a consulting firm evaluate these alternatives, a study of the Magalia Fault that runs through the east side of Magalia Dam was required because it had not been evaluated in the past. The Magalia Fault study has been completed and is currently being reviewed by the Division of Safety of Dams.

PID prepared an engineering analysis to evaluate the installation of an inflatable three foot bladder dam in the Paradise Reservoir spillway. Plans are being prepared for submittal to the California Division of Safety of Dams for review and approval. When granted, the inflatable dam will increase the storage capacity of Paradise Reservoir by 750 acre-feet, from about 11,500 acre-feet to 12,250 acre-feet. It is anticipated the cost associated with this project will be \$500,000 and the agreement with the only adjacent property owner has already been executed.

The number of connections within PID's service area has increased from 9,896 in 1996 to 10,490 in 2007. Continued modifications to PID's conveyance and delivery facilities are necessary to serve the additional connections. PID has also continued with an aggressive pipeline replacement program that annually replaces about two miles of old steel pipe to reduce the costs of leaks and unaccounted water. Costs associated with this replacement program have been approximately \$6.2 million since 1996. PID has also recently rehabilitated all of its distribution reservoirs and tanks except one. The tank rehabilitation was completed at a cost of \$831,000 and the inground reservoir cost to replace the liner and cover was \$446,500.

Question 13: Reasons why construction and/or use of water were not completed within time previously allowed.

Complete water use was not made within the time allowed because the growth rate of PID has not been as great as anticipated. Based on PID's Urban Water Management Plan, population within the PID service area is now projected to increase from 27,500 (in 2005) to 33,900 in the year 2030. Water use is expected to increase from 8,621 acre-feet annually in 2005, to 9,964 acre-feet by the year 2030. Additional storage and the ability to directly divert water are necessary to meet demand over consecutive dry years.

PID is requesting an increase in its place of use to include the service areas of the Paradise Pines, Old Magalia and Lime Saddle districts of the Del Oro Water Company. Del Oro Water Company's Stirling Bluffs district receives water pursuant to its contract with PG&E. Such water is treated by PID and is commingled with PID's water in its distribution system for conveyance to the Del Oro districts.

PID is currently in negotiation with Del Oro to purchase the Old Magalia and Lime Saddle districts or to execute a water exchange agreement. The change in its place of use will enable PID to commingle the water under its Permits with water diverted from Lake Oroville under a contract with Butte County. Additional time is required to put water to beneficial use after the change in place of use has been granted.

PID is also filing Petitions to add direct diversion as a method of diversion to its water right Permits 271 and 16040. The purpose of the Petitions is to conform the water right Permits to PID's historical and current operations. Additional time is needed to perfect water use under the Permits for both storage and direct diversion.

Question 14: What water conservation measures are in effect or feasible within the place of use?

Question 15: How much water is being conserved or is it feasible to conserve using these conservation measures?

PID is committed to implementing its water conservation programs as described in its 2005 Urban Water Management Plan. PID continues to replace its old pipelines to reduce water conveyance losses, and in 2003 received a \$1.3 million grant from the Department of Water Resources (DWR) for this purpose. In 2007 DWR awarded PID \$1.1 million additional grant funds for replacement of leaking water mains. Since 2001, PID has had over 53 miles of its main pipelines surveyed for leaks and has repaired all identified leaks. Since 2004, PID provides water audits as requested by its customers. An interior check for leaks is conducted with a review of the customer's irrigation system. Other conservation programs include providing information to its users on residential plumbing retrofitting, including providing free low flow showerheads, tank banks for toilets, and tank dye packages. PID is currently looking for a grant opportunity to fund a washing machine rebate program. Water meters are required for all services. PID periodically reviews customer water use by comparing current use with historic data, and conducts meter calibration and replacement programs. Residential customers that use less than 85 Ccf annually are eligible for reduce service charges.

PID implements a public information program to promote water awareness through its website and tours of its facilities. School education programs include working with the Regional Occupation Program of Paradise High School to learn about water conservation measures. PID also sponsors water treatment plant tours for Paradise Elementary and Ponderosa Elementary schools. Water conservation materials are provided to all new customers and are also made available in the PID office. A water waste program is in place that prohibits outside water use in the afternoon hours, prohibits excessive use of outside watering resulting in runoff, and vehicle washing without a shutoff nozzle. Violations identified by a PID representative result in additional surcharges on water bills.

It has been difficult for PID to track its water conservation for each of its programs, but it is projected that an annual savings of 445 acre-feet could result from PID's water audits and leak detection programs alone.

State Water Resources Control Board

Division of Water Rights

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Division of Water Rights: <http://www.waterrights.ca.gov>

PETITION FOR CHANGE (WATER CODE 1700)

Change in Method of Diversion
 Point of Diversion, Point of Rediversion, Place of Use, Purpose of Use
Application No. 476 Permit No. 271 License _____ Statement or Other _____

I (we) hereby petition for change(s) noted above and shown on the accompanying map and described as follows:

Point of Diversion or Rediversion (Give coordinate distances from section corner or other ties as allowed by Cal CR 715, and the 40-acre subdivision in which the present & proposed points lie.)

- Present:
- 1) Point of Diversion at Magalia Dam: N 65°35'W, 1,377 feet from SE Corner of Section 25, T23N, R3E, MDB&M, being within SE ¼ of SE ¼ of said Section 25.
 - 2) Point of Diversion at Paradise Dam: S 14°36'06"E, 1,939.87 feet from NW Corner of Section 18, T23N, R4E, MDB&M, being within SW ¼ of NW ¼ of said Section 18.
- Proposed:
- 1) Point of Diversion and Direct Diversion at Magalia Dam: N 65°35'W, 1,377 feet from SE Corner of Section 25, T23N, R3E, MDB&M, being within SE ¼ of SE ¼ of said Section 25.
 - 2) Point of Diversion and Direct Diversion at Paradise Dam: S 14°36'06"E, 1,939.87 feet from NW Corner of Section 18, T23N, R4E, MDB&M, being within SW ¼ of NW ¼ of said Section 18.

Place of Use (If irrigation then state number of acres to be irrigated within each 40-acre tract.)

Present Within Paradise Irrigation District boundaries including all or portions of Sections 1, 2, 10, 11, 12, 13, 14, 15, 16, 21, 22, 23, 24, 25, 28, 27 and 28 in T22N, R3E, and Sections 6, 7, 18, 19 and 30 in T22N, R4E, all in MDB&M.

Proposed The service areas of Paradise Irrigation District, and the Paradise Pines, Old Magalia and Lime Saddle districts of the Del Oro Water Company, all as shown on the map to accompany this Petition.

Purpose of Use

Present Industrial, Irrigation, Municipal and Recreation

Proposed Industrial, Irrigation, Municipal, Hydropower and Recreation

Does the proposed use serve to preserve or enhance wetlands habitat, fish and wildlife resources, or recreation in or on the water (See WC 1707)? No

◆ GIVE REASON FOR PROPOSED CHANGE: See attached.

- WILL THE OLD POINT OF DIVERSION OR PLACE OF USE BE ABANDONED? No
- WATER WILL BE USED FOR municipal, industrial, irrigation, hydropower and recreation PURPOSES.

I (we) have access to the proposed point of diversion or control the proposed place of use by virtue of ? Ownership

Are there any persons taking water from the stream between the old point of return flow and the new point of return flow? Not applicable. Points of return flow will remain the same.

If by lease or agreement, state the name and address of party(s) from whom access has been obtained.

N/A

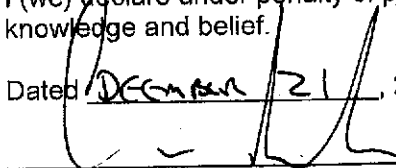
Give name and address of any person(s) taking water from the stream between the present point of diversion or redirection and the proposed point of diversion or redirection, as well as any other person(s) known to you who may be affected by the proposed change.

See SWRCB files for those parties located downstream from Points of Diversion.

THIS CHANGE DOES NOT INVOLVE AN INCREASE IN THE AMOUNT OF THE APPROPRIATION OR SEASON OF USE.

I (we) declare under penalty of perjury that the above is true and correct to the best of my (our) knowledge and belief.

Dated DECEMBER 21, 2007, at Paradise, California



Signature(s)

GEORGE BARBER, DISTRICT MGR.

530-877-1751

Telephone No.

NOTE: A \$1,000 filing fee made payable to the State Water Resources Control Board and a \$850 fee made payable to the Department of Fish and Game must accompany a petition for change.

**Attachment to Petition for Change
in Method of Diversion, Purpose and Place of Use**

**Paradise Irrigation District
Permit 271 (Application 476)
Permit 16040 (Application 22061)**

Give reason for proposed change:

The Petitions seek to add direct diversion as a method of diversion under PID's two water right Permits to conform them to historical and current operations. Direct diversion of water has been, and needs to continue to be, an integral part of the operations of Paradise and Magalia diversion facilities in order to meet annual demands. The addition of direct diversion will not result in PID diverting more water than what is allowed under its Permits or under its pre-1914 right. These Petitions seek to add a combined direct diversion rate of 18 cubic feet per second under the Permits. In addition to Permits 271 and 16040, PID also has a pre-1914 adjudicated right for a year around direct diversion of 8 cubic feet per second from Little Butte Creek (Statement of Water Diversion and Use No. 8459).

The change in place of use is required to include the service areas of Paradise Pines, Old Magalia and Lime Saddle districts of the Del Oro Water Company, which border the current PID place of use. PID is in negotiation with Del Oro to purchase the Old Magalia and Lime Saddle districts or to execute a water exchange agreement. The purchase or agreement will require PID to commingle such water with water diverted under PID's Permits. The change will also include lands that are within the Town of Paradise's sphere of influence that are located outside, but adjacent to, PID's current place of use.

The Petitions also propose to add hydropower as a purpose of use. PID has completed a study to determine the feasibility of hydroelectric generation. The energy landscape is changing rapidly and the clean power produced by hydroelectric power may become a viable project for PID to install at its existing water storage facilities. The generating capacity of the proposed plant would be less than 1 megawatt.

Attachment to Petitions for Change in Place of Use**Paradise Irrigation District
Permit 271 (Application 476)
Permit 16040 (Application 22061)**

The proposed Place of Use is the service areas of Paradise Irrigation District, and the Paradise Pines, Old Magalia and Lime Saddle districts of the Del Oro Water Company, all as shown on the map to accompany this Petition and being within Sections 11, 12, 13, 14, 23, 24, 25, 26, 35 and 36 of Township 23 North, Range 3 East; Sections 18, 19, 29, 30, 31 and 32 of Township 23 North, Range 4 East; Sections 1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 32, 33, 34, 35 and 36 of Township 22 North, Range 3 East; Sections 5, 6, 7, 8, 17, 18, 19, 20, 29, 30, 31 and 32 of Township 22 North, Range 4 East; Sections 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13 and 24 of Township 21 North, Range 3 East, and Sections 5, 6, 7, 8, 17, 18, 19, 20, 29 and 30 of Township 21 North, Range 4 East; all within Mount Diablo Base and Meridian.