

Please indicate County where your project is located here:

Los Angeles

MAIL FORM AND ATTACHMENTS TO:  
State Water Resources Control Board  
DIVISION OF WATER RIGHTS

P.O. Box 2000, Sacramento, CA 95812-2000  
Tel: (916) 341-5300 Fax: (916) 341-5400  
http://www.waterboards.ca.gov/waterrights

STATE WATER RESOURCES CONTROL BOARD  
2014 MAY -9 AM 12:05  
DIV OF WATER RIGHTS SACRAMENTO

### PETITION FOR CHANGE

Separate petitions are required for each water right. Mark all areas that apply to your proposed change(s). Incomplete forms may not be accepted. Location and area information must be provided on maps in accordance with established requirements. (Cal. Code Regs., tit. 23, § 715 et seq.) Provide attachments if necessary.

- Point of Diversion** Wat. Code, § 1701
  - Point of Rediversion** Cal. Code Regs., tit. 23, § 791(e)
  - Place of Use** Wat. Code, § 1701
  - Purpose of Use** Wat. Code, § 1701
  - Distribution of Storage** Cal. Code Regs., tit. 23, § 791(e)
  - Temporary Urgency** Wat. Code, § 1435
  - Instream Flow Dedication** Wat. Code, § 1707
  - Waste Water** Wat. Code, § 1211
  - Split** Cal. Code Regs., tit. 23, § 836
  - Terms or Conditions** Cal. Code Regs., tit. 23, § 791(e)
  - Other**
- Application  Permit  License  Statement

I (we) hereby petition for change(s) noted above and described as follows:

**Point of Diversion or Rediversion** – Provide source name and identify points using both Public Land Survey System descriptions to ¼-¼ level and California Coordinate System (NAD 83).

**Present:** Long Beach Water Reclamation Plant (LBWRP). State Plane Coordinates: 6534997.1075, 1749103.609. PLSS: Los Alamitos Land Grant. Latitude/Longitude: 33 deg, 47', 55" N; 118 deg, 5', 16" W.

**Proposed:** No change is proposed to the current discharge location. However, a discharge flow reduction is proposed to increase the volume of recycled water diverted for groundwater recharge.

**Place of Use** – Identify area using Public Land Survey System descriptions to ¼-¼ level; for irrigation, list number of acres irrigated.

**Present:** Discharge to concrete lined portion of Coyote Creek leading to downstream San Gabriel River Estuary.

**Proposed:** Diversion to Leo Vander Lans Water Treatment Facility (LVLWTF) located north of and adjacent to LBWRP.

**Purpose of Use**

**Present:** Discharge to concrete lined portion of Coyote Creek

**Proposed:** Diversion to LVLWTF to offset potable water used for groundwater recharge to maintain the Alamitos Seawater Intrusion Barrier.

**Split**

Provide the names, addresses, and phone numbers for all proposed water right holders.

There are no water right holders downstream of the discharge point, as confirmed by a review of the Electronic Water Right Information Management System (e-WRIMS). See Attachment No. 1 for discussion of LBWRP tributary source water.

In addition, provide a separate sheet with a table describing how the water right will be split between the water right holders: for each party list amount by direct diversion and/or storage, season of diversion, maximum annual amount, maximum diversion to offstream storage, point(s) of diversion, place(s) of use, and purpose(s) of use. Maps showing the point(s) of diversion and place of use for each party should be provided.

**Distribution of Storage**

**Present:** N/A

**Proposed:** N/A

*CK Amt: 1,000.00*  
*CK#: TSC020051266*  
*CK recd 5.8.14*

**Temporary Urgency**

This temporary urgency change will be effective from  to

Include an attachment that describes the urgent need that is the basis of the temporary urgency change and whether the change will result in injury to any lawful user of water or have unreasonable effects on fish, wildlife or instream uses.

**Instream Flow Dedication** – Provide source name and identify points using both Public Land Survey System descriptions to 1/4-1/4 level and California Coordinate System (NAD 83).

Upstream Location:   
Downstream Location:

List the quantities dedicated to instream flow in either:  cubic feet per second or  gallons per day:

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Will the dedicated flow be diverted for consumptive use at a downstream location?  Yes  No  
If yes, provide the source name, location coordinates, and the quantities of flow that will be diverted from the stream.

**Waste Water**

If applicable, provide the reduction in amount of treated waste water discharged in cubic feet per second.

Will this change involve water provided by a water service contract which prohibits your exclusive right to this treated waste water?  Yes  No

Will any legal user of the treated waste water discharged be affected?  Yes  No

**General Information** – For all Petitions, provide the following information, if applicable to your proposed change(s).

Will any current Point of Diversion, Point of Storage, or Place of Use be abandoned?  Yes  No

I (we) have access to the proposed point of diversion or control the proposed place of use by virtue of:  
 ownership  lease  verbal agreement  written agreement

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

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.

**All Right Holders Must Sign This Form:** I (we) declare under penalty of perjury that this change does not involve an increase in the amount of the appropriation or the season of diversion, and that the above is true and correct to the best of my (our) knowledge and belief. Dated  at

  
Right Holder or Authorized Agent Signature

Right Holder or Authorized Agent Signature

**NOTE: All petitions must be accompanied by:**  
(1) the form Environmental Information for Petitions, including required attachments, available at: [http://www.waterboards.ca.gov/waterrights/publications\\_forms/forms/docs/pet\\_info.pdf](http://www.waterboards.ca.gov/waterrights/publications_forms/forms/docs/pet_info.pdf)  
(2) Division of Water Rights fee, per the Water Rights Fee Schedule, available at: [http://www.waterboards.ca.gov/waterrights/water\\_issues/programs/fees/](http://www.waterboards.ca.gov/waterrights/water_issues/programs/fees/)  
(3) Department of Fish and Wildlife fee of \$850 (Pub. Resources Code, § 10005)

## Discussion of Source Water Tributary to Long Beach WRP

Native water is that which under natural conditions would contribute to a given stream or other body of water. When the source of return flow to a stream is native water, the return flow is considered part of the natural stream flow to which riparian and appropriative water rights may attach. When the source of return flow is foreign water, or that which would not be present in a body of water under natural conditions (for example, water imported from outside the watershed), return flow is not considered part of the natural stream flow and rights do not attach. The source of the recycled water proposed for removal is primarily foreign water, as discussed below and referenced in the attached figure.

LBWRP receives wastewater from a tributary area to the north that includes the cities of Long Beach, Hawaiian Gardens, Lakewood, Cerritos, Artesia and Norwalk. Based on the makeup of purveyor source water (groundwater and imported) the Districts estimated the percentage of both groundwater and imported water in the LBWRP effluent by first separating source groundwater into native and foreign components using a WRD groundwater budget ([http://www.wrd.org/engineering/reports/tech\\_bulletin\\_fall\\_2004.pdf](http://www.wrd.org/engineering/reports/tech_bulletin_fall_2004.pdf)) that was based on groundwater basin modeling performed by the U.S. Geological Survey. The native and foreign components were then area-weighted for each purveyor, assuming supply is directly proportional to the percentage of the LBWRP tributary area that the purveyor serves. The most conservative estimate of 65% foreign water and 35% native water in LBWRP's effluent assumes that stormwater captured and recharged to groundwater is native, although most of this water is captured upstream from the San Gabriel River, which is not tributary to Coyote Creek. The components could be as high as 86% foreign and 14% native pending a more thorough analysis of whether the groundwater is tributary or not. This wastewater change petition requests a reduction in discharge of 5 MGD from the LBWRP to meet the new demand at LVLWTF. Since the 12 MGD of average treated effluent from LBWRP is not less than 65% foreign water, the average flow of foreign water is not less than 7.8 MGD ( $12 \text{ MGD} \times 0.65$ ), which exceeds the proposed reduction in flow of 5.0 MGD to meet the new demand at LVLWTF. Thus, all of the flow can be considered foreign water.