



State Water Resources Control Board



Division of Water Rights

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Linda S. Adams
Acting Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

APPLICATION NO. _____
(Leave blank)

UNDERGROUND STORAGE SUPPLEMENT TO APPLICATION TO APPROPRIATE WATER BY PERMIT

1. State amount of water to be diverted to underground storage from each point of diversion in item 3b of form APP.

- a. Maximum Rate of diversions (1) 40 (2) _____ (3) _____ cfs
- b. Maximum Annual Amount (1) 15,000 (2) _____ (3) _____ acre-feet

2. Describe any works used to divert to offstream spreading grounds or injection wells not identified in item 7 of form APP.

3. Describe spreading grounds and identify its location and number of acres or location of upstream and downstream limits if onstream.

The Lincoln/Cota Ponds are located within the City of Corona, downstream from the point of diversion

4. State depth of groundwater table in spreading grounds or immediate vicinity:

33 feet below ground surface on 02/08/2012 19 measured at a point located within the NE 1/4 of SW 1/4 of Section 23, T 3S, R 7W, ^{San}Bernardino B&M

5. Give any historic maximum and or minimum depths to the groundwater table in the area.

Location ^{NE 1/4 of} Section 23 T3S, R7W Maximum 23.4 feet below ground surface on 02/08/2012 (date)
Location _____ Maximum _____ feet below ground surface on _____ (date)

6. Describe proposed spreading operation.

The City will capture flows greater than 7 cfs from the channelized portion of Temescal Creek and divert them to the existing Lincoln/Cota Ponds where they will infiltrate into the Temescal Sub-basin. The City already uses the ponds as an infiltration basin for recycled water and other storm flows. The Project will augment existing operations.

7. Describe location, capacity and features of proposed pretreatment facilities and/or injected wells.

N/A

8. Reference any available engineering reports, studies, or data on the aquifer involved. The City's Groundwater Management Plan includes an analysis of the Temescal Sub-basin. It is included in the Application as Attachment 2.

9. Describe underground reservoir and attach a map or sketch of its location.

See Attachment 2.

10. State estimated storage capacity of underground reservoir.

See Attachment 2.

11. Describe existing use of the underground storage reservoir and any proposed change in its use.

See Attachment 2.

12. Describe the proposed method and location of measurement of water placed into and withdrawn from underground storage.

The City continually monitors groundwater levels in the vicinity of the Lincoln/Cota Ponds. The City will continue to manage the Tescal Sub-basin in accord with its existing groundwater management plan.

Additional copies of this form and water right information can be obtained at www.waterrights.ca.gov.

Attachment 1

to

City of Corona Application to Appropriate Surface Flows from Temescal Creek

State Water Resources Control Board Application No. _____

The following information is provided to address and support the findings required for the City's Temporary Permit pursuant to Water Code Section 1425. The requirements (provided in italics) and responses are set forth below.

1425(b)(1) The applicant has an urgent need for the water proposed to be diverted and used. The City of Corona has an urgent need in several respects for the water to be diverted and used under a Temporary Permit. The City relies heavily on imported water purchased from the Metropolitan Water District of Southern California (MWD) to serve the demands of its residents. Numerous factors are affecting the short, intermediate and long-term availability and reliability of imported water supplies purchased from MWD. By way of example, and without limitation, the delivery of State Water Project (SWP) supplies from the Sacramento-San Joaquin Delta continue to be constrained by regulatory and legal decisions affecting coordinated operations of the SWP and federal Central Valley Project. (See, e.g., Biological Opinions prepared and adopted by the U.S. Fish and Wildlife Service and National Marine Fisheries Service pursuant to the federal Endangered Species Act; Consistency determinations by the California Department of Fish and Wildlife pursuant to the California Endangered Species Act; Ongoing state and federal court litigation regarding Delta diversions and flow conditions; State Board proceedings affecting Delta flow conditions).

The availability and reliability of Colorado River supplies are subject to similar constraints, such as legal challenges against the Quantification Settlement Agreement and state and federal Endangered Species Act protections within the Colorado River Basin. In addition, the delivery of SWP and Colorado River supplies are projected to be reduced by further regulatory and environmental restrictions, water quality limitations, drought conditions and other potential constraints attributable to climate change. These and other conditions reduce the availability and reliability of imported water supplies to serve demands within the City.

To this end, the Project is intended to reduce the City's demand for imported water by capturing and reusing return flows attributable to imported water that the City serves to its residents, and high volume storm flows that currently cause downstream environmental damage. The City's reduced reliance on imported water supplies will in turn assist in maximizing the reasonable and beneficial use of limited imported water supplies in accordance with Article X, Section 2 of the California Constitution and other established water policies of the State. The City has simultaneously submitted an Application to Appropriate Water for the same diversion and use pursuant to Water Code section 1250 et seq.

1425(b)(2) The water may be diverted and used without injury to any lawful user of water. As set forth above and in the City's Application, all water to be diverted and reasonably and beneficially used by the project is either unappropriated, diverted subject to the City's existing pre-1914 water rights or attributable to return flows from imported water that the City purchases from the Metropolitan Water District of Southern California and serves to its residents. As such the water may be diverted and used without injury to any lawful user of water.

1425(b)(3) The water may be diverted and used without unreasonable effect upon fish, wildlife, and other in stream beneficial uses. The diversion and use of water under the Temporary Permit will not unreasonably affect fish, wildlife, or other instream beneficial uses, nor will the diversion and use of water impair the scenic, recreational, fishery or wildlife values of Temescal Creek or its watershed. As set forth in the Application and its attachments, the project has undergone an extensive environmental review process, including consideration in an environmental impact report (EIR) produced in compliance with the California Environmental Quality Act (CEQA). The Project will be located in a hard armored portion of Temescal Creek and will capture high-volume nuisance flows that cause damage to downstream wetlands. The Project will infiltrate capture water in existing basins that will add to groundwater levels in the vicinity of the Project site. Groundwater studies conducted in conjunction with the Project EIR demonstrate there is sufficient groundwater available to support the ecological needs in the areas immediately downstream of the Project site. Historically, Temescal Creek has been an intermittent drainage and does not exhibit perennial surface flow. At the point of diversion and upstream, the Creek does not contain a resident fish population. The EIR attached to the Application demonstrates that the Project will not have negative effects on downstream riparian habitat.

1425(b)(4) The proposed diversion and use are in the public interest, including findings to support permit conditions imposed to ensure that the water is diverted and used in the public interest, without injury to any lawful user of water, and without unreasonable effect upon fish, wildlife, and other in stream beneficial uses. As indicated above and in the City's Application, the proposed diversion and use of water by the project are in the public interest and will not injure any lawful user of water or unreasonably affect fish, wildlife or other instream beneficial uses. The project is intended to reduce the City's demands on imported water by capturing high volume, nuisance storm flows and reusing return flows attributable to imported water that the City imports into the area. The Project will benefit the public by reducing the dependence on imported potable water. The City's reduced reliance on imported water supplies will in turn assist in maximizing the reasonable and beneficial use of limited imported water supplies on a regional and statewide basis in accordance with Article X, Section 2 of the California Constitution and other established water policies of the State.