

[SUMMARY OF FINAL SUBMITTED VERSION]**PROGRESS REPORT BY PERMITTEE FOR 2015**

Primary Owner: CHINO BASIN WATERMASTER

Primary Contact: CHINO BASIN WATERMASTER

Date Submitted: 2016-06-24

Application Number: A028473

Permit Number: 019895

Source(s) of Water	POD Parcel Number	County
DAY CREEK		San Bernardino
DAY CREEK		San Bernardino
DAY CREEK		San Bernardino
EAST ETIWANDA CREEK		San Bernardino
East Etiwanda Creek		Riverside

MAX Direct Diversion Rate: 0.0 GPD

MAX Collection to Storage: 15000.0 AC-FT

Face Value: 15000.0 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Industrial	0.0		11/01 to 04/30
Irrigation	0.0		11/01 to 04/30
Municipal	0.0		11/01 to 04/30

1. Permit Review

I have reviewed my water right permit	Yes
---------------------------------------	-----

2. Compliance with Permit Terms and Conditions

I am complying with all terms and conditions	Yes
Description of noncompliance with terms and conditions	

3. Changes to the Project

Intake location has been changed	
Description of intake location changes	
Type of use has changed	
Description of type of use changes	
Place of use has changed	
Description of place of use changes	
Other changes	
Description of other changes	

4-6. Permitted Project Status

Project Status	Not Complete
6a. Construction work has commenced	Yes
6b. Construction	

is completed	No
6c. Beneficial uses of water has commenced	Yes
6d. Project will be completed within the time period specified in the permit	Yes
6e. Explanation of work remaining to be done	On October 9, 2008, Permit 21225 (A031369) was issued, allowing a period within which to make beneficial use through December 31, 2057. Petitions for Extension of Time, to the same date of December 31, 2057, are pending for Permits 19895 (A028473) and 20753 (A028996). In addition to annual operation and maintenance work at permitted diversions and storage facilities (groundwater recharge basins) and diversion points, CY 2015 work included the development of preliminary design reports, environmental documentation and final designs on nine recharge improvement projects as proposed in the 2013 Amendment to the 2010 Recharge Master Plan Update. These nine new recharge projects are, for the most part, expansions in recharge capacities at facilities; and, construction of these proposed recharge improvements is projected to be completed in 2020. The Chino Basin Watermaster and the Inland Empire Utilities Agency will update the recharge master plan in 2020 and every five years thereafter and they will subsequently construct additional recharge improvements to enhance diversion and recharge capacity within the quantities allowed under the three permits.
6f. Estimated date of completion	12/31/2057

7. Purpose of Use

Other	Commercial Supply Landscape
Industrial	Mixed Manufacturing
Irrigation	30000 Acres Mixed Crop Types
Power	640 MW
Stockwatering	96000 Dairy Cattle
Municipal	800000

8. Amount of Water Diverted and Used

Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount used (Acre-Feet)
January	0	675	675
February	0	727	727
March	0	338	338
April	0	327	327
May	0	658	658
June	0	29	29
July	0	701	701
August	0	78	78
September	0	1080	1080

October	0	736	736
November	0	298	298
December	0	1114	1114
Total	0	6761	6761
Type of Diversion	Diversion to Storage Only		
Comments			

Water Transfers

8e. Water transferred	No
8f. Quantity transferred (Acre-Feet)	
8g. Dates which transfer occurred	/ to /
8h. Transfer approved by	

Water Supply Contracts

8i. Water supply contract	No
8j. Contract with	
8k. Other provider	
8l. Contract number	
8m. Source from which contract water was diverted	
8n. Point of diversion same as identified water right	
8o. Amount (Acre-Feet) authorized to divert under this contract	
8p. Amount (Acre-Feet) authorized to be diverted in 2015	
8q. Amount (Acre-Feet) projected for 2016	
8r. Exchange or settlement of prior rights	
8s. All monthly reported diversion claimed under the prior rights	
8t. Amount (Acre-Feet) of reported diversion solely under contract	

9. Maximum Rate of Diversion for each Month

Month	Maximum Rate of Diversion (CFS)
January	184
February	339
March	142
April	126
May	191
June	1
July	116
August	2
September	488
October	353
November	136
December	267

10. Storage

Reservoir name	Spilled this year	Feet below spillway at maximum storage	Completely emptied	Feet below spillway at minimum storage	Method used to measure water level
Chino Groundwater	No	0	No	0	Regional Groundwater Level Monitoring Well

Basin					Network
-------	--	--	--	--	---------

Conservation of Water

11. Are you now employing water conservation efforts?	Yes
Description of water conservation efforts	The over 200 Appropriative, Non-Agricultural, and Agricultural Chino Basin groundwater producers have instituted many water conservation measures, ranging from recycled water conversion to public education notices.
12. Amount of water conserved	

Water Quality and Wastewater Reclamation

13. During the period covered by this Report, did you use reclaimed water from a wastewater treatment facility, water from a desalination facility, or water polluted by waste to a degree which unreasonably affects the water for other beneficial uses?	Yes
14. Amount of reclaimed, desalinated, or polluted water used	

Conjunctive Use of Groundwater and Surface Water

15. During the period covered by this Report, were you using groundwater in lieu of available surface water authorized under your permit?	No
16. Amounts of groundwater used	

Additional Remarks

The Chino Basin Watermaster holds three permitted rights for diversion and recharge of stormwater within the Santa Ana River Watershed. Permit 19895 covers the Day Creek Project Facilities and allows the diversion of 15,000 acre-feet annually, from November 1 through April 30 of the succeeding year, to underground storage through recharge basins and spreading grounds along Day Creek. Permit 20753 covers the East Etiwanda Creek and San Sevaine Creek Facilities and allows the diversion of 27,000 acre-feet annually, from October 1 through May 1 of the succeeding year, to underground storage through recharge basins and spreading grounds along East Etiwanda and San Sevaine Creeks. Permit 21225 allows the annual diversion of 68,500 acre-feet, from January 1 to December 31, to underground storage through recharge basins and spreading grounds along Deer, Day, Etiwanda, San Sevaine, Chino, San Antonio, and Cucamonga Creeks. (For clarity, the notice listed Deer Creek as being in Riverside County, but it is located entirely within San Bernardino County.) Some facilities covered under Permits 19895 and 20753 are additionally permitted for additional recharge under Permit 21225. Chino Basin Watermaster conjunctively manages spreading ground and basin recharge pursuant to the three permits and believes the permits are best managed conjunctively. While several phases of groundwater recharge facility construction have been completed, pursuant to these three permits, the Chino Basin Stakeholders continue to implement additional improvements contemplated in the Recharge Master Plan and Optimum Basin Management Program. Furthermore, since precipitation within the Chino Basin watershed is both flashy and subject to extreme variations in annual rainfall volumes (droughty), it is anticipated that diversion to storage may also vary dramatically and infrequently reach full permitted volumes. Pursuant to Permit 21225, Watermaster has through the year 2057 to make full beneficial use of the allowed storage volume, and similar time extensions are currently pending for permits 19895 and 20753, to facilitate conjunctive implementation and operation of the diversion and recharge basin and spreading ground network. With respect to Question 7, Watermaster's permits allow use for Industrial, Irrigation and Municipal purposes (and, in the case of Permit 21225, Stockwatering). During the calendar year, the total volume of groundwater extracted from the Chino Basin was approximately 150,730 acre-feet: including 100,894 acre-feet for municipal (Appropriators) use, 17,458 acre-feet for Agricultural (Crops and Stockwatering/Dairy), 29,500 acre-feet by Chino Basin Desalter Authority (25,629 acre-feet of which was made available for municipal use), 2,642 acre-feet for Non-Agricultural Overlying (Industrial) use and 235 acre-feet for energy production. With respect to Question 8, these volumes reflect the quantities of recharge diverted to underground storage pursuant to Permits 19895, 20753, and 21225, as Chino Basin Watermaster conjunctively manages all diversions to the recharge basin and spreading ground network. With respect to Question 9, the daily volume of water diverted at each facility was measured using pressure transducers and physical configurations, converted into an average 24-hour

flow rate, summed, and the maximum for each month reported. With respect to Question 13, during the calendar year, the Chino Desalters extracted 29,500 acre-feet of contaminated stored groundwater (degraded by TDS, nitrate, and TCE), producing 25,629 acre-feet of (reclaimed) product water. Additionally, 32,123 acre-feet of reclaimed (recycled) water were used of which 12,056 acre-feet were recharged and 20,067 acre-feet were directly used.

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Carolina
Last Name	Sanchez
Relation to Water Right	Other: Engineer for the Chino Basin Watermaster
Has read the form and agrees the information in the report is true to the best of his/her knowledge and belief	Yes