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STATE WATER RESOURCES CONTROL BOARD  
2009 JAN 27 AM 11:50  
DR. J. G. HARRIS  
SACRAMENTO

TYPE OR PRINT  
IN BLACK INK  
(For instructions, see  
booklet: "How to File an  
Application to  
Appropriate Water in  
California")



# California Environmental Protection Agency

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  
www.waterrights.ca.gov

APPLICATION NO. **31744**

## APPLICATION TO APPROPRIATE WATER

### 1. APPLICANT/AGENT

	APPLICANT	ASSIGNED AGENT (if any)
Name	City of Palmdale	
Mailing Address	38250 Sierra Highway	
City, State & Zip	Palmdale, CA 93550	
Telephone	(661) 267-5300	
Fax	(661) 267-5322	
E-mail	thughes@cityofpalmdale.org	

### 2. OWNERSHIP INFORMATION (Please check type of ownership.)

- Sole Owner
- Limited Partnership\*
- Corporation
- Limited Liability Company (LLC)
- Business Trust
- Joint Venture
- General Partnership\*
- Husband/Wife Co-Ownership
- Other \_\_\_\_\_

\*Please identify the names, addresses and phone numbers of all partners.

### 3. PROJECT DESCRIPTION (Provide a detailed description of your project, including, but not limited to, type of construction activity, area to be graded or excavated, and how the water will be used.) Add additional pages if needed and check box below and label as an attachment.

The Upper Amargosa Creek Recharge and Nature Park project (UAP) is located at the transition between the mountain front and alluvial fan on the Amargosa Creek southwest of the City of Palmdale on approximately 87 acres located within the City limits. The UAP would include the following components:

- (1) a recharge facility, including 20 acres of recharge basins and infrastructure;
- (2) a community nature park containing multi-use pathways, picnic tables, interpretive plaques, and habitat enhancement/restoration areas developed on 28 acres of suitable areas of the UAP project site;
- (3) a 22 acre native habitat conservation area; and
- (4) 10 acres of open land and 7 acres of stream channel.

The purpose of this recharge facility is to provide a beneficial increase in groundwater to the Antelope Valley Groundwater Basin. The result of the recharge facility operation will be an increase in groundwater elevations in the project vicinity and, therefore, a total increase in the supply of groundwater to the inhabitants in the Antelope Valley.

For continuation, see Attachment No. 1

Rec'd  
\$41,350.00  
\$850.00  
1/27/09  
MS

**4. PURPOSE OF USE, DIVERSION/STORAGE AMOUNT AND SEASON**

a. PURPOSE OF USE (irrigation, domestic, etc.)	DIRECT DIVERSION				STORAGE		
	AMOUNT		SEASON OF DIVERSION		AMOUNT	SEASON OF COLLECTION	
	Rate (cfs or gpd)*	Acre-feet per annum	Beginning date (month & day)	Ending date (month & day)	Acre-feet per annum	Beginning date (month & day)	Ending date (month & day)
Municipal	100	2,700	Oct 1	May 31	2,700	Oct 1	May 31
	Total afa	2,700	Total afa		2,700		

See Attachment No. \_\_\_\_ \* If rate is less than 0.025 cubic feet per second (cfs), use gallons per day (gpd).

b. Total combined amount taken by direct diversion and storage during any one year will be 2,700 acre-feet.

c. Reservoir storage is:  onstream  offstream  underground (If underground storage, attach Underground Storage Form.)

d. County in which diversion is located: Los Angeles County in which water will be used: Los Angeles

**5. SOURCES AND POINTS OF DIVERSION/REDIVERSION**

a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):

- POD /  PORD # 1 Amargosa Creek tributary to Rosamond Dry Lake thence evaporation.
- POD /  PORD # \_\_\_\_\_ tributary to \_\_\_\_\_ thence \_\_\_\_\_
- POD /  PORD # \_\_\_\_\_ tributary to \_\_\_\_\_ thence \_\_\_\_\_
- POD /  PORD # \_\_\_\_\_ tributary to \_\_\_\_\_ thence \_\_\_\_\_

If needed, attach additional pages, check box below and label attachment

See Attachment No. \_\_\_\_

b. State Planar and Public Land Survey Coordinate Description:

POD/PORD #	CALIFORNIA COORDINATES (NAD 83)	ZONE	POINT IS WITHIN (40-acre subdivision)	SECTION	TOWN-SHIP	RANGE	BASE AND MERIDIAN
1	2035088N, 6507814E	5	NE ¼ of NW ¼	29	6N	12W	San Bernardino
			¼ of ¼				
			¼ of ¼				
			¼ of ¼				

If needed, attach additional pages, check box below and label attachment

See Attachment No. \_\_\_\_

c. Name of the post office most often used by those living near the proposed point(s) of diversion: Palmdale Post Office, 38917 20th Street E, Palmdale, CA 93550

**6. WATER AVAILABILITY**

- a. Have you attached a water availability analysis for this project?  YES  NO  
 If NO, provide sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation: If needed, attach additional pages, check box below and label attachment.

See Attachment No. 2

- b. Is your project located on a stream system declared to be fully appropriated by the State Water Resources Control Board (State Water Board) during your proposed season of diversion?  
 YES  NO
- c. In an average year, does the stream dry up at any point downstream of your project?  YES  NO  
 If YES, during which months?  Jan  Feb  Mar  Apr  May  Jun  Jul  Aug  Sep  Oct  
 Nov  Dec
- d. What alternate sources of water are available if a portion of your requested diversion season must be excluded because water is not available for appropriation? (e.g., percolating groundwater, purchased water, etc.) If needed, attach additional pages, check box below and label attachment  
 No alternate sources of water are available.

See Attachment No. \_\_\_\_

**7. PLACE OF USE**

a.

USE IS WITHIN (40-acre subdivision)	SECTION*	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Acres	Presently cultivated?
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
Total Acres:					67951	

\*Please indicate if section is projected with a "(P)" following the section number.

See Attachment No. 6Br Please provide the Assessor's Parcel Number(s) for the place of use:

Place of Use is the City of Palmdale, California

**8. PROJECT SCHEDULE**

- a. Project is:  proposed. Year construction will begin: 2010  
 partially complete. Extent of completion: \_\_\_\_\_
- complete. Year completed: \_\_\_\_\_
- b. Year of first use: 2011 Year water will be used to the full extent intended: 2011

**9. JUSTIFICATION OF AMOUNTS REQUESTED**

- a.  IRRIGATION: Maximum area to be irrigated in any one year: \_\_\_\_\_ acres.

CROP	ACRES	METHOD OF IRRIGATION (sprinklers, flooding, etc.)	WATER USE (Acre-foot/Yr.)	SEASON OF WATER USE	
				Beginning date (month & day)	Ending date (month & day)

See Attachment No. \_\_\_\_\_

b.  DOMESTIC: Number of residences to be served: \_\_\_\_\_ Separately owned?  
 YES  NO Number of people to be served: \_\_\_\_\_ Estimated daily use per person is:  
 \_\_\_\_\_ gallons per day Area of domestic lawns and gardens: \_\_\_\_\_ square feet  
 Incidental domestic uses:

\_\_\_\_\_ (dust control area, number and kind of domestic animals, etc.)

c.  STOCKWATERING: Kind of stock: \_\_\_\_\_ Maximum number: \_\_\_\_\_  
 Describe type of operation: \_\_\_\_\_  
 (feedlot, dairy, range, etc.)

d.  RECREATIONAL: Type of recreation:  Fishing  Swimming  Boating  Other \_\_\_\_\_

e.  MUNICIPAL:

POPULATION List for 5-year periods until use is completed		MAXIMUM MONTH		ANNUAL USE		
Period	Population	Average daily use (gallons per capita)	Rate of diversion (cfs)	Average daily use (gallons per capita)	Acre-foot (per capita)	Total (acre-feet)
Present	146,000	417	94	240	0.27	39,000
2010	177,000	417	113	240	0.27	47,000
2015	218,000	417	142	240	0.27	59,000
2020	260,000	417	168	240	0.27	70,000
2025	337,000	417	192	240	0.27	91,000

See Attachment No. 3

Month of maximum use during year: July  
 Month of minimum use during year: February

f.  HEAT CONTROL: Area to be heat controlled: \_\_\_\_\_ net acres  
 Type of crops protected: \_\_\_\_\_  
 Rate at which water is applied to use: \_\_\_\_\_ gpm per acre  
 Heat protection season will begin \_\_\_\_\_ and end \_\_\_\_\_  
 (month and day) (month and day)

g.  FROST PROTECTION: Area to be frost protected: \_\_\_\_\_ net acres  
 Type of crops protected: \_\_\_\_\_  
 Rate at which water is applied to use: \_\_\_\_\_ gpm per acre  
 The frost protection season will begin \_\_\_\_\_ and end \_\_\_\_\_  
 (month & day) (month & day)

h.  INDUSTRIAL: Type of industry: \_\_\_\_\_  
 Basis for determination of amount of water needed: \_\_\_\_\_

i.  MINING: Name of the claim: \_\_\_\_\_  Patented  Unpatented

Nature of the mine: \_\_\_\_\_ Mineral(s) to be mined: \_\_\_\_\_  
 Type of milling or processing: \_\_\_\_\_  
 After use, the water will be discharged into \_\_\_\_\_ (watercourse)  
 in \_\_\_\_\_ ¼ of \_\_\_\_\_ ¼ of Section \_\_\_\_\_, T \_\_\_\_\_, R \_\_\_\_\_, \_\_\_\_\_ B. & M.

- j.  POWER: Total head to be utilized: \_\_\_\_\_ feet  
 Maximum flow through the penstock: \_\_\_\_\_ cfs Maximum theoretical horsepower capable of  
 being generated by the works (cfs x fall ÷ 8.8): \_\_\_\_\_  
 Electrical capacity (hp x 0.746 x efficiency): \_\_\_\_\_ kilowatts at: \_\_\_\_\_% efficiency  
 After use, the water will be discharged into \_\_\_\_\_ (watercourse)  
 in \_\_\_\_\_ ¼ of \_\_\_\_\_ ¼ of Section \_\_\_\_\_, T \_\_\_\_\_, R \_\_\_\_\_, \_\_\_\_\_ B&M. FERC No.: \_\_\_\_\_
- k.  FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT: List specific species and  
 habitat type that will be preserved or enhanced: \_\_\_\_\_
- l.  OTHER: Describe use: \_\_\_\_\_  
 Basis for determination of amount of water needed: \_\_\_\_\_

**10. DIVERSION AND DISTRIBUTION METHOD**

- a. Diversion will be by gravity by means of: \_\_\_\_\_ dams  
 (dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)
- b. Diversion will be by pumping from: \_\_\_\_\_  
 (sump, offset well, channel, reservoir, etc)  
 Pump discharge rate: \_\_\_\_\_  cfs or  gpd Horsepower: \_\_\_\_\_  
 Pump Efficiency: \_\_\_\_\_

c. Conduit from diversion point to first lateral or to offstream storage reservoir:

CONDUIT (pipe or channel)	MATERIAL (type of pipe or channel lining; indicate if pipe is buried or not)	CROSS-SECTION (pipe diameter, or ditch depth and top and bottom width) (inches or feet)	LENGTH (feet)	TOTAL LIFT OR FALL		CAPACITY (cfs, gpd or gpm)
				feet	+ or -	
Pipe	CCP, buried	52"	5100	30	-	100 cfs

See Attachment No. \_\_\_\_\_

d. Storage reservoirs: (For underground storage, complete and attach underground storage form)

RESERVOIR NAME OR NUMBER	DAM				RESERVOIR		
	Vertical height from downstream toe of slope to spillway level (feet)	Construction material	Length (feet)	Freeboard: dam height above spillway crest (feet)	Surface area when full (acres)	Capacity (acre-feet)	Maximum water depth (feet)
See APP-UGSTOR.							

See Attachment No. 4



c. List any related applications, registrations, permits, or licenses located in the proposed place of use or that utilize the same point(s) of diversion.  
None.

See Attachment No. \_\_\_\_

**14. OTHER SOURCES OF WATER**

Are you presently using, or do you intend to use, purchased water or water supplied by contract in connection with this project?  Yes  No If yes, please explain: State Water Contractors in the Antelope Valley will use the project to bank unused State Water.

**15. MAP REQUIREMENTS**

The Division cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the quarter/quarter, section, township, range, and meridian of (1) the proposed points of diversion and (2) the place of use. A copy of a U.S.G.S. quadrangle/topographic map of your project area is preferred, and can be obtained from sporting goods stores or through the Internet at <http://topomaps.usgs.gov>. A certified engineering map is required when (1) appropriating more than three cubic feet per second by direct diversion, (2) constructing a dam which will be under the jurisdiction of the Division of Safety of Dams, (3) creating a reservoir with a surface area in excess of ten acres or (4) appropriating more than 1,000 acre-feet per annum by underground storage. See the instruction booklet for more information.

See Attachment No. 6

**ENVIRONMENTAL INFORMATION**

Note: Before a water right permit may be issued for your project, the State Water Board must consider the information contained in an environmental document prepared in compliance with the California Environmental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet been prepared for your project, a determination must be made of who is responsible for its preparation. If the State Water Board is determined to be responsible for preparing the CEQA document, the applicant will be required to pay all costs associated with the environmental evaluation and preparation of the required documents. Please answer the following questions to the best of your ability and submit with this application any studies that have been conducted regarding the environmental evaluation of your project.

**16. COUNTY PERMITS**

a. Contact your county planning or public works department and provide the following information:

Person contacted: None Date of contact: N/A  
Department: N/A Telephone: (    ) N/A  
County Zoning Designation:  
Project site is within the City of Palmdale boundary.

Are any county permits required for your project?  YES  NO If YES, check appropriate box below:

- Grading permit  Use permit  Watercourse  Obstruction permit  Change of zoning
- General plan change  Other (explain):

b. Have you obtained any of the required permits described above?  YES  NO

If YES, provide a complete copy of each permit obtained.

See Attachment No. \_\_\_\_

**17. STATE/FEDERAL PERMITS AND REQUIREMENTS**

- a. Check any additional state or federal permits required for your project:  
 Federal Energy Regulatory Commission  U.S. Forest Service  U.S. Bureau of Land Management  U.S. Corps of Engineers  U.S. Natural Res. Conservation Service  Calif. Dept. of Fish and Game  State Lands Commission  Calif. Dept. of Water Resources (Div. of Safety of Dams)  Calif. Coastal Commission  State Reclamation Board  Other (specify)

b. For each agency from which a permit is required, provide the following information:

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.
CDFG	Section 1600	Jamie Jackson	6/24/08	626-296-3430

See Attachment No. \_\_\_\_

- c. Does your proposed project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed, bank, or riparian habitat of any stream or lake?  YES  NO

If YES, explain:

The project will involve the construction of three in-channel dams, one at the Amargosa Creek diversion and two at the in-channel recharge basins. The project will also involve regular maintenance in in-channel recharge basins to maintain percolation rates.

See Attachment No. \_\_\_\_

- d. Have you contacted the California Department of Fish and Game concerning your project?

YES  NO If YES, name, telephone number and date of contact:

Jamie Jackson 626-296-3430 6/24/08

**18. ENVIRONMENTAL DOCUMENT**

- a. Has any California public agency prepared an environmental document for your project?

YES  NO EIR in process.

- b. If YES, submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency. Public agency:

- c. If NO, check the appropriate box and explain below, if necessary:

The applicant is a California public agency and will be preparing the environmental document.\*

I expect that the State Water Board will be preparing the environmental document.\*\*

I expect that a California public agency other than the State Water Board will be preparing the environmental document.\* Public agency: \_\_\_\_\_

See Attachment No. \_\_\_\_

\* Note: When completed, submit a copy of the final environmental document (including notice of determination) or notice of exemption to the State Water Board, Division of Water Rights and proof of payment of the State Clearinghouse filing fee. Processing of your application cannot be completed until these documents are submitted.

\*\* Note: CEQA requires that the State Water Board, as Lead Agency, prepare the environmental document. The information contained in the environmental document must be developed by the applicant and at the applicant's expense under the direction of the State Water Board, Division of Water Rights.

**19. WASTE/WASTEWATER**

- a. Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation?  YES  NO  
 If YES, or you are unsure of your answer, explain below and contact your local Regional Water Quality Control Board for the following information (See instruction booklet for address and telephone no.):  
 A construction NPDES Permit from the RWQCB will be required by the project including a  
 \_\_\_\_\_  
 storm water pollution prevention plan for the construction. The need for an operational  
 \_\_\_\_\_  
 NPDES Permit will be determined through discussions with the RWQCB.  
 \_\_\_\_\_

See Attachment No. \_\_\_\_\_

- b. Will a waste discharge permit be required for your project?  YES  NO  
 Person contacted: \_\_\_\_\_ None. \_\_\_\_\_ Date of contact: \_\_\_\_\_ N/A \_\_\_\_\_
- c. What method of treatment and disposal will be used? None. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

See Attachment No. \_\_\_\_\_

**20. ARCHEOLOGY**

- a. Have any archeological reports been prepared on this project?  YES  NO
- b. Will you be preparing an archeological report to satisfy another public agency?  YES  NO
- c. Do you know of any archeological or historic sites located within the general project area?  
 YES  NO If YES, explain:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

See Attachment No. \_\_\_\_\_

**21. ENVIRONMENTAL SETTING**

Attach **two complete sets of color photographs**, clearly dated and labeled, showing the vegetation that exists at the following three locations:

- Along the stream channel immediately downstream from the proposed point(s) of diversion.
- Along the stream channel immediately upstream from the proposed point(s) of diversion.
- At the place(s) where the water is to be used.
- See Attachment No. 7

**SUBMITTAL FEES**

Calculate your application filing fee using the "Water Right Fee Schedule Summary" that was enclosed in the application packet. The "Water Right Fee Schedule Summary" can also be viewed at the Division of Water Rights' website ([www.waterrights.ca.gov](http://www.waterrights.ca.gov)).

A check for the application filing fee, payable to the "Division of Water Rights" and an \$850 check for the Streamflow Protection Standards review fee [Pub. Resources Code § 10005(a)], payable to the "California Department of Fish and Game," must accompany this application. All applicable fees are required at the time of filing. If the application fees are not received, your application will not be accepted and will be returned to you. Please check the fee schedule for any fee changes prior to submitting the application.

## DECLARATION AND SIGNATURE

I declare under penalty of perjury that all information provided is true and correct to the best of my knowledge and belief. I authorize my agent, if I have designated one above, to act on my behalf regarding this water right application.

 _____ Signature of Applicant	Director of Public Works _____ Title or Relationship	1/26/09 _____ Date
 _____ Signature of Co-Applicant (if any)	City Manager _____ Title or Relationship	1-26-09 _____ Date

**Applications that are not completely filled out and/or do not have the appropriate fees will not be accepted. In the event that the Division has to return the application because it is incomplete, a portion of the application submittal fee will be charged for the initial review.**

### "APPLICATION TO APPROPRIATE WATER" CHECKLIST

**Before you submit your application, be sure to:**

- Answer each question completely.
- Number, label and include all necessary attachments.
- Include a legible map that meets the requirements discussed in the instruction booklet.
- Include the Water Availability Analysis or sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation.
- Include two complete sets of color photographs of the project site.
- Enclose a check for the required fee, payable to the Division of Water Rights.
- Enclose an \$850 check for the Streamflow Protection Standards review fee, payable to the Department of Fish and Game.
- Sign and date the application.

**Send the original and one copy of the entire application to:**

**State Water Resources Control Board  
 Division of Water Rights  
 P.O. Box 2000  
 Sacramento, CA 95812-2000**