



## LADWP Water Recycling Recycled Water User Guidelines **DUST CONTROL**

### **ALLOWED USE**

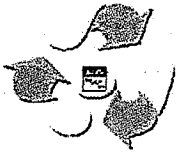
The California Code of Regulations, Title 22 Section 60307(b)(6) allows the use of recycled water for dust control on streets and roads. In addition, this Dust Control Guideline has been approved by the California Department of Public Health for dust control within facilities (pending DPH). Recycled water is NOT allowed for drinking, washing, or animal water supply.

### **REQUIREMENTS FOR USE**

- Vehicles used for collecting and distributing recycled water for dust control shall:
  - Have an adequate tank and plumbing system to ensure that leaks and ruptures will not occur due to normal use.
  - Either be equipped with two risers, one for potable water and one for recycled water, or each tank used shall be equipped with approved air-gap separation between the filler tube and the tank.
  - Have color-coded risers, hoses, and fittings: blue for potable water and purple for recycled water.
  - Be equipped with uniquely sized fittings to prevent accidental connection between the potable and recycled systems.
  - Be equipped with spray heads/nozzles configured to minimize runoff, ponding, or spray drift.
  - Be equipped with control valves configured such that recycled water can be applied in a controlled fashion on the site and completely retained during transit.
  - Be clearly labeled as specified in the "Signage Requirements" section on Page 2.
- Prior to use, \_\_\_\_\_ will inspect the Users' vehicles to ensure compliance with the requirements listed above.
- Each vehicle tank used to store and/or transport recycled water must be flushed and disinfected prior to storage and/or transport of potable water or recycled water of better quality.
- User must maintain a log recording details of all recycled water deliveries (date, location, volume, and end use).
- Any storage facility containing recycled water for reuse applications shall be managed in a manner to control odor.
- Sites shall be designed and operated using Best Management Practices (BMPs) as stated below, or as revised by LADWP, to prevent recycled water spray, mist, or surface flow from either leaving the site or reaching:
  1. Any storm drain or surface water with year-round flow located adjacent to the Site;
  2. Areas with public access (e.g. dwellings, designated outdoor eating areas, or food handling facilities);
  3. Drinking fountains, unless specifically protected with a shield device.

### **BEST MANAGEMENT PRACTICES**

- For dust control adjacent to surface waters, install runoff barriers, such as vegetative strips, collection system, or 100-foot buffers.
- Maintain distance buffers if applying recycled water near sensitive land uses.
- Do not apply recycled water for dust control during strong winds.
- The application method must not cause ponding of water. For example: avoid excessive application volumes, use after heavy rains, or application to excessively uneven surfaces.
- Recycled water must not run off the site where it is applied. Conduct visual inspections to determine the necessary delivery rates and volumes. If runoff cannot be restricted by application method (for example, if the ground surface is strongly sloped or the soil has low water permeability), runoff needs to be collected via a drainage system and reused.
- If hand watering is used, keep the hose low to ground and point it in the direction of the wind to prevent spray drift.
- Signage should be displayed at site of storage, during watering, and while the area is still wet (see "Signage Requirements" on Page 2).
- When watering is completed, drain hose and return hose to secure position. Ensure that there is no risk that recycled water may be used for drinking purposes or animal water supply.



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### HEALTH AND SAFETY GUIDELINES

- All workers that are likely to be present during dust control activities are required to have training in the proper use of recycled water. Supervisory personnel and Site supervisors should be held accountable to ensure that employees are using recycled water properly.
- It is the responsibility of the User to train all operations personnel so they are familiar with the use of recycled water. Training for operations personnel should include, but not be limited to, awareness of the following:
  1. Working with recycled water **IS SAFE** if common sense is used and if appropriate regulations followed.
  2. Recycled water, although highly treated, is non-potable.
  3. Conditions such as ponding and runoff are not allowed.
  4. Good personal hygiene must be followed (e.g. wash hands after working with recycled water, do not consume food or drink while working with recycled water, cover wounds to prevent contact with recycled water).
  5. Cross-connections between the recycled water system and the potable water system must not be allowed to exist.

**DID YOU KNOW?**

**Tertiary treated recycled water is considered safe for full-body contact**

*California Code of Regulations  
Title 22, 60305(a) & 60301.220*

**Report any accidental spills of recycled water or personal hygiene issues that have received medical attention to LADWP for action and record keeping. LADWP will initiate normal incident management procedures.**

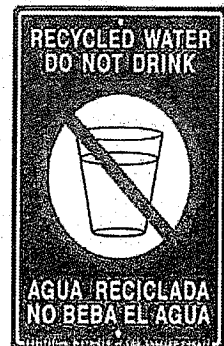
### SIGNAGE REQUIREMENTS

#### **Vehicle-Mounted Recycled Water Storage Tanks**

While using vehicle-mounted recycled water for dust control, the User must install, maintain, and keep in place three magnetic signs (on both sides and the rear of each vehicle, at the outlet) indicating that recycled water is in use. The signs must contain the words "RECYCLED WATER – DO NOT DRINK" in 2-inch high letters on a purple background and the "Do Not Drink" symbol, as shown to the right. All labels and signs must be placed where they can easily be seen by the personnel using the vehicle.

#### **Other Equipment and Devices**

All stationary pipe, materials, and equipment used to carry recycled water onsite (such as pipes, air vacuum relief valves, pressure reducing valves, pumps, pump control valves, etc.) must be properly identified. If the User installs any stationary recycled water equipment, information on required markings and tagging is found in the 2005 Los Angeles County Reclaimed Water Advisory Committee Recycled Water User Manual (RW User Manual), Page 23.



### USER AGREEMENTS

All potential recycled water users in the City of Los Angeles must meet LADWP's requirements and must enter into a written agreement with LADWP. LADWP reserves the right to take any action necessary with respect to the operation of the User's onsite recycled water operations in order to safeguard public health and to meet applicable regulations and permits. For information on User Agreements, refer to the RW User Manual, Pages 8 and 33.

*The City of Los Angeles has safely used recycled water since 1979 for irrigation and industrial purposes. For more information about recycled water, treatment processes, and availability in the City of Los Angeles, please contact the LADWP Water Recycling Group at (213) 367-3637 or (213) 367-4141 or visit [www.ladwp.com](http://www.ladwp.com)*