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Director

State of California—Health and Human Services Agency
California Department of Public Health



EDMUND G. BROWN JR.
Governor

November 22, 2013

California Regional Water Quality Control Board
Central Coast Region
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401-7906

County of San Luis Obispo
Los Osos Wastewater Project
County Govt Center, #207
San Luis Obispo, CA 93408

**RE: San Luis Obispo County – Los Osos Wastewater Project
DRAFT RECYCLED WATER ENGINEERING REPORT**

The California Department of Public Health, Drinking Water Field Operations Branch (CDPH-DWFOB) has reviewed the Los Osos Wastewater Project, Water Recycling Facility (LOWWP) Engineering Report dated October 2013. The County of San Luis Obispo is constructing a centralized collection system and new Water Recycling Facility. The engineering report describes the treatment plant, disposal areas, potential reuse sites, user agreements, rules and regulations concerning the use of recycled water and the proposed collection system. CDPH-DDWEM has no objection or comments with the current report but offers the following comments concerning information which will need to be provided to the CDPH-DDWEM and RWQCB as the information becomes available.

The CDPH – DWFOB offers the following comments along with the continued compliance with the current RWQCB's WDRs:

I. Treatment

1. The CDPH's criteria for the use of recycled water for landscape irrigation with unrestricted access, requires that the effluent be treated to a tertiary filtered – disinfected level that the effluent of the system cannot exceed 2.2 MPN/100ml based on a 7 day median, 23 MPN/100ml in more than one sample every 30 days and shall never exceed 240 MPN/100ml. Coliform analysis of tertiary filtered – disinfected recycled water shall be conducted daily.
2. The LOWWP shall utilize a tertiary filtration system that has been previously approved by CDPH-DDWEM as noted in the engineering report.
3. The UV disinfection process shall be previously approved by CDPH-DDWEM or a test protocol and study will be conducted prior to installation of the system as stated in the engineer report. During plant commissioning, the LOWWP will be required to conduct an on-site check point bioassay through a third party. The test protocol and report needs to be review by CDPH-DDWEM.

4. The turbidity levels of the filter influent and filter effluent should be continuously monitored and recorded. Calibration of the turbidity monitoring equipment should be performed in accordance with the manufacturer's recommendations.
5. An Operations Plan for the LOWWP needs to be developed and maintained that addresses the operation, maintenance, monitoring and optimization of all unit processes.
6. CDPH-DWFOB should be notified of treatment process failures and/or non-compliance with the above requirements by the same means and under the same conditions as the RWQCB.
7. A monthly treatment plant operations summary report to demonstrate compliance with filtration and disinfection requirements shall be submitted to RWQCB and CDPH-DWFOB.

III. Distribution and Use Area

8. For each new / proposed recycled water use area, a use site report that addresses compliance with the use area requirements and along with completed shut-down test results shall be submitted to RWQCB and CDPH-DWFOB for approval prior to use.
9. The use and distribution of recycled water shall comply with the CDPH-DWFOB's Water Recycling Criteria, Title 22; and the Cross-Connection Control Requirements, Title 17, California Code of Regulations (CCR).
10. Plans and maps showing domestic water lines and recycled water lines at each use site should be maintained. The lines must be marked clearly and labeled as domestic water lines and recycled water lines. Shut-down tests may be needed to demonstrate cross-connections do not exist.
11. Supervisors must be appointed for the recycled water use areas and their staff must be trained on the hazards of working with recycled water and periodically retrained.
12. Recycled water use areas shall be inspected yearly by the reclaimed water provider.

If you have any questions, please call this office at (805) 566-1326.

Sincerely,

A handwritten signature in blue ink that reads "Kurt Souza". The signature is fluid and cursive, with the first letters of "Kurt" and "Souza" being capitalized and prominent.

**Kurt Souza, P.E., Chief
Southern California Section
CDPH-DWFOB**

CC: SLO County Environmental Health Department