

Response to Comments

City of Burbank
Burbank Water Reclamation Plant
Tentative WDR/WRR Order

This Table describes all significant comments received from interested persons with regard to the above-mentioned tentative permit. Each comment has a corresponding response and action taken.

Commenter	#	Comment	Response	Action Taken
Comments received from the City of Burbank on March 22, 2016				
The City of Burbank	1	<p>Tentative Order Page 20, Item IX, Section 10, first line</p> <p>The City of Burbank requests that the word “below” be replaced with the word “above” as follows, to incorporate all the allowable uses for recycled water that are cited in Item IX, sections 4, 5, 6, and 7 on pages 17 through 20:</p> <p>“Recycled water shall not be applied to uses other than those enumerated below above...”</p>	<p>Regional Water Board staff made the requested change as follows:</p> <p>Recycled water shall not be applied to uses other than those enumerated below above unless a revised engineering report has been submitted to and approved by the Regional Water Board and DDW for such other uses and/or requirements for these uses have been prescribed by this Regional Water Board, in accordance with Section 13523 of the CWC.</p>	Revisions were made to Item 11 (formerly Item 10)
The City of Burbank	2	<p>Tentative Order Page 20, Item IX, Section 12</p> <p>The City of Burbank requests that the list be deleted or expanded to include <i>all</i> of the allowed uses of recycled water included in Item IX, sections 4, 5, 6, and 7 on pages 17 through 20. To expand this list, the following allowable uses should be <u>added</u> to Item IX, Section 12:</p> <ul style="list-style-type: none"> a. Surface Irrigation (to include all categories listed in Item IX, Section 4) b. Other Purposes (to include all the categories listed in Item IX, Section 7, specifically: flushing toilets and urinals; priming drain traps; industrial process water that may come into contact with workers; structural fire fighting; decorative fountains; commercial laundries; consolidation of backfill around potable water pipelines; artificial snow making for commercial outdoor use; industrial boiler feed; nonstructural fire fighting; backfill consolidation around nonpotable piping; soil compaction; mixing concrete; and cleaning roads, sidewalks and outdoor work areas. 	<p>Regional Water Board staff made modifications to include references to <i>all</i> of the allowed uses discussed in previous sections, as follows:</p> <p>The Burbank DPW is permitted to use tertiary-treated recycled water produced at the Burbank WRP for the following approved uses:</p> <ul style="list-style-type: none"> A. Landscape<u>Surface</u> irrigation <u>(including all categories described in section IX.5);</u> B. Impoundments <u>(including all categories described in section IX.6);</u> C. Cooling towers <u>(including all categories described in section IX.7); and,</u> D. Other industrial uses <u>Purposes (as described in section IX.8).</u> Dust control; E. Car washing; and, F. Other industrial uses. 	Revisions were made to Item 13 (formerly Item 12)

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The City of Burbank	3	<p>Tentative Order Page 28, Item XII, Section 26:</p> <p>The City of Burbank requests that the first sentence ("There shall be no public contact with recycled water.") be deleted because Title 22 allows recycled water to be used as a source of water supply for nonrestricted recreational impoundments.</p>	<p>Regional Water Board staff deleted the first sentence and modified the second to address the City's concern, as follows:</p> <p>There shall be no public contact with recycled water.<u>Public contact may occur E-except in cemeteries</u>, as allowed under Assembly Bill No. 803, also known as the Water Recycling Act of 2013,¹ and in non-restricted impoundments because the Burbank WRP meets the tertiary-treatment requirements.; no hose bibs shall be present on portions of the recycled water piping system that are subject to access by the general public. Only quick couplers that differ from those used on the potable water system shall be used in such areas. Hose bibs at existing non-cemetery use sites need to be retrofitted immediately.</p>	Revisions were made to section XII.26																																																																
The City of Burbank	4	<p>Pages MRP-4 and MRP-5, Table M1</p> <p>The City of Burbank requests that the Type of Samples required by this WDR/WRR permit be the same as the type required in the separate NPDES Order, to avoid duplicative work and get better sample results, for the constituents in this table:</p> <table><tr><td></td><td>Order No. R4-2012-0059</td><td>Tentative Draft R4-2016-XXXX</td><td>Requested Sample Type</td></tr><tr><td>Test Parameter</td><td>Current Sample Type</td><td>Draft Sample Type</td><td></td></tr><tr><td>Organics (Volatiles, EPA Method 624)</td><td></td><td></td><td></td></tr><tr><td>1,3-Dichlorobenzene</td><td>Grab</td><td>24 hour comp.</td><td>Grab</td></tr><tr><td>2-Chloroethyl vinyl ether</td><td>Grab</td><td>24 hour comp.</td><td>Grab</td></tr><tr><td>Acrolein</td><td>Grab</td><td>24 hour comp.</td><td>Grab</td></tr><tr><td>Acrylonitrile</td><td>Grab</td><td>24 hour comp.</td><td>Grab</td></tr><tr><td>Benzene</td><td>Grab</td><td>24 hour comp.</td><td>Grab</td></tr><tr><td>Bromomethane</td><td>Grab</td><td>24 hour comp.</td><td>Grab</td></tr><tr><td>Chlorobenzene</td><td>Grab</td><td>24 hour comp.</td><td>Grab</td></tr><tr><td>Chloroethane</td><td>Grab</td><td>24 hour comp.</td><td>Grab</td></tr><tr><td>Chloromethane</td><td>Grab</td><td>24 hour comp.</td><td>Grab</td></tr><tr><td>Methylene chloride</td><td>Grab</td><td>24 hour comp.</td><td>Grab</td></tr><tr><td>Total 1,3-Dichloropropene</td><td>Grab</td><td>24 hour comp.</td><td>Grab</td></tr><tr><td>Remaining Attachment A Pollutants</td><td>-</td><td>Grab</td><td>24-hour comp; grab for VOCs & disinfection byproducts</td></tr><tr><td>Remaining EPA Priority Pollutants</td><td>24-hour comp.; grab for VOCs</td><td>Grab</td><td>Same as above</td></tr></table>		Order No. R4-2012-0059	Tentative Draft R4-2016-XXXX	Requested Sample Type	Test Parameter	Current Sample Type	Draft Sample Type		Organics (Volatiles, EPA Method 624)				1,3-Dichlorobenzene	Grab	24 hour comp.	Grab	2-Chloroethyl vinyl ether	Grab	24 hour comp.	Grab	Acrolein	Grab	24 hour comp.	Grab	Acrylonitrile	Grab	24 hour comp.	Grab	Benzene	Grab	24 hour comp.	Grab	Bromomethane	Grab	24 hour comp.	Grab	Chlorobenzene	Grab	24 hour comp.	Grab	Chloroethane	Grab	24 hour comp.	Grab	Chloromethane	Grab	24 hour comp.	Grab	Methylene chloride	Grab	24 hour comp.	Grab	Total 1,3-Dichloropropene	Grab	24 hour comp.	Grab	Remaining Attachment A Pollutants	-	Grab	24-hour comp; grab for VOCs & disinfection byproducts	Remaining EPA Priority Pollutants	24-hour comp.; grab for VOCs	Grab	Same as above	<p>Regional Water Board staff made modifications to the monitoring and reporting program Table M1 as requested.</p>	Revisions were made to Table M1.
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The City of Burbank	5	<p>Page 7, Item IV.1, last sentence:</p> <p>The City of Burbank requests that the words "water quality" be deleted in the final sentence as follows: "In October 2010, the City of Burbank prepared an updated Master Plan to include additional water quality projects that have been</p>	<p>Regional Water Board staff made the modification as follows:</p> <p>In 2007, the City of Burbank prepared a Recycled Water Master Plan (2007 RWMP) that identified potential areas for expansion of the existing recycled water distribution system, including the following new uses: heating, ventilation, and air</p>	Revisions were made to section IV.1																																																																

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		identified as economically viable.”	conditioning (HVAC) cooling towers, vehicle washing, decorative fountains, dust control, street sweeping, and sewer cleaning. In October 2010, the City of Burbank prepared an updated Master Plan to include additional water quality projects that have been identified as economically viable.										
The City of Burbank	6	<p>Page 14, Item VII, Table 6:</p> <p>The City of Burbank requests that the Total Dissolved Solids and Chloride concentration limits match those in Order No. R4-2012-00059, NPDES No. CA0055531, Waste Discharge Requirements for the City of Burbank, Burbank Water Reclamation Plant are as follows:</p> <table><tr><th>Constituents</th><th>Units</th><th>Requested 30-Day Average</th></tr><tr><td>Total Dissolved Solids</td><td>mg/l</td><td>950</td></tr><tr><td>Chloride</td><td>mg/l</td><td>190</td></tr></table>	Constituents	Units	Requested 30-Day Average	Total Dissolved Solids	mg/l	950	Chloride	mg/l	190	<p>Regional Water Board staff did not increase the limitations, but instead modified the footnote to better explain the basis of the limits for chloride and TDS, and changed the type of limit from a daily maximum to a monthly average, as follows:</p> <p>² Order No. 91-101 included TDS and chloride limitations that were based on historic performance concentrations and were closer to the Basin Plan Water Quality Objectives for surface water, rather than on the Basin Plan Water Quality Objectives for the San Fernando Groundwater Basin. These same limits are being carried over onto the revised Order. Groundwater monitoring data gathered from 1991 to 2014 by the Watermaster and included in the ULARA reports show that there was a slight fluctuation in the concentrations of chloride and TDS, with peak concentrations occurring in 2009. However, recent data indicates that groundwater chloride concentrations are decreasing and are returning to levels found close to two decades ago. The use of tertiary-treated recycled water from the Burbank WRP has not resulted in any known degradation of the underlying groundwater quality since recycled water has been applied at agronomic rates and using best management practices.</p> <p>The dataset from the past years indicates that the 95th percentile for chloride and TDS was 150 mg/L and 800 mg/L, respectively. In addition, the Permittee has not conducted any modeling or any study to demonstrate that the existing limits should be raised. The revised order does, however, change the type of limit from a daily maximum to monthly average because those parameters are not expected to cause acute effects in water quality. This change will allow the Permittee to collect more than one sample during the month to come into compliance with the monthly average limitation if the first sample collected during the month exceeds the limit. Therefore, staff do not anticipate that the Permittee will have a compliance issue.</p>	Some revisions were made to Footnote 2
Constituents	Units	Requested 30-Day Average											
Total Dissolved Solids	mg/l	950											
Chloride	mg/l	190											
The City of Burbank	7	<p>Page 20, Item IX, Section 11; Page 24, Item XI, Section 3B; Page 26, Item XII, Section 16</p> <p>The City of Burbank recommends deleting Item IX, Section 11 and Item XI, Section 3.B and revising Item XII, Section</p>	Regional Water Board staff did not delete Section IX.11 which is a general specification for recycled water having to do with pipe installation. Section XI.3.B, which has to do with having adequate signage and maintaining adequate separation to prevent cross-contamination, was not deleted because it was a direct condition of	One of the requested changes was mad to section XII.16									

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		<p>16 as follows, to eliminate what they perceive as redundancies and inconsistencies, : “The California-Nevada Section American Water Works Association’s Guidelines regarding identification of recycled water system components for the Distribution of Non-Potable Water (1992) needs to be followed. including purple pipe, adequate signs, etc. Adequate separation of at least 4-foot horizontal and 1-foot vertical separation shall should be provided between recycled water lines and domestic potable water lines. Less separation may be approved by DDW or its delegated agency on a case-by-case basis.”</p> <p>The City of Burbank also commented that DDW and its delegated agencies often approve alternatives to the distance requirements when site conditions deem this appropriate.</p>	<p>approval by DDW, in their letter dated May 1, 2015 (included as an attachment), for the City of Burbank’s Title 22 Engineering Report.</p> <p>Regional Water Board staff did not delete the California-Nevada guidelines document because DDW relies on it when it crafts its condition of approval letters.</p> <p>However, the last sentence was added to section XII.16 because Regional Water Board staff confirmed with DDW staff that DDW, or its delegated agency, could, on a case-by-case basis, approve a different separation distance between pipes.</p>	
The City of Burbank	8	<p>Page 24, Item XI, Section 1.F</p> <p>The City of Burbank requests that this sentence be deleted or made consistent with Item XIII, Section 11 on Page 29, which has the correct reference to the type of certification required by Title 23.</p>	<p>The staff working document dated January 27, 2016, which had been sent to the City of Burbank for review, prior to the release of the tentative order, did contain an outdated reference to the California Code of Regulations (CCR) Title 23 Chapter 3, Subchapter 14, Sections 2455 and 2460. However, that incorrect citation was corrected before the tentative order was mailed out for public comment. Subchapter 14 is no longer valid because a repealer of Subchapter 14, which was filed on December 7, 1981, went into effect on January 6, 1982. The certification requirements for operating wastewater treatment plants is now found in CCR Title 23, Division 3, Chapter 26. The Tentative Order dated Feb. 22, 2016, contains the correct reference to CCR Title 23, Division 3, Chapter 26 in both sections XI.1.F and XIII.11 of the Order, so there is no need to further modify the Order.</p>	None necessary
The City of Burbank	9	<p>Page 25, Item XII, Section 9</p> <p>The City of Burbank requests the following changes to this paragraph: “For each new recycled water use area, the City of Burbank needs to provide DDW, or its delegated agency, with a description for of the use area including, but not limited to: a description of the recycled water use (e.g. landscape, specific food crop, cooling tower, etc.); method of use (e.g. spray, food, or drip); the location of domestic water supply facilities adjacent to the use areas; site containment measures; the party responsible for the distribution and use of the recycled water at the site; identification of other</p>	<p>Regional Water Board staff made similar changes, as follows</p> <p>For each new recycled water use area, the City of Burbank needs to provide DDW, or its delegated agency with a description for of the use area including, but not limited to: a description of the recycled water use (e.g. landscape, specific food crop, cooling tower, etc.); method of use (e.g. spray, food, or drip); the location of domestic water supply facilities adjacent to the use areas; site containment measures; the party responsible for the distribution and use of the recycled water at the site; identification of other governmental entities which may have regulatory jurisdiction over the reuse site(s) such as State Food and Drug, State Licensing and</p>	Section XII.9 was modified.

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		<p>governmental entities which may have regulatory jurisdiction over the reuse site(s) such as State Food and Drug, State Licensing and certification, County Health Department, etc. These agencies shall be provided with a copy of the 2014 Title 22 Engineering Report for review and comment. The City of Burbank needs to notify and shall provide the above information for each new use site that is connected to the recycled water system to the Regional Water Board; the County Environmental Health Department, and DDW in its quarterly report.”</p> <p>The LA County Department of Public Health (LACDPH) requires filing of a recycled water use application for each site that will be connected to Burbank’s recycled water system. LACDPH is delegated by DDW to oversee and approve the connection process and are very informed regarding new use areas. Burbank may add one to three new use areas per month. Quarterly reporting of this information is more appropriate.</p>	<p>Certification, County Health Department, etc. These agencies shall be provided with a copy of the 2014 Title 22 Engineering Report for review and comment before the City of Burbank begins delivering recycled water to the new users, so that these agencies may perform whatever inspection/task is required. The City of Burbank needs to notify and provide the above information for each new use site that is connected to the recycled water system to the Regional Water Board; the County Environmental Health Department, and to DDW as part of the monitoring reports submitted to these two agencies.</p>	
The City of Burbank	10	<p>Page 31, Item XIV, Section 7:</p> <p>The City of Burbank requests that the required modification be made by either telephone or electronic means.</p>	<p>Regional Water Board staff modified the language as follows:</p> <p>The City of Burbank shall notify this Regional Water Board and DDW, immediately by telephone or by email, of any confirmed coliform counts that could cause a violation of the requirements for the total coliform effluent limit. This information shall be confirmed in the next monitoring report. For any actual coliform limit violation that occurred, the report shall also include the cause(s) of the high coliform counts, the corrective measures undertaken (including dates thereof), and the preventive measures undertaken to prevent a recurrence.</p>	Modified XIV.7
The City of Burbank	11	<p>Page 13, Item VI, 1</p> <p>The City of Burbank request that “PSI” be changed to “PS-1” and the words “expansion of the” should be deleted as follows: “The expansion of the PSI PS-1 expansion was completed in November 2010.”</p>	<p>Regional Water Board staff modified the language as follows:</p> <p>The expansion of the PS-1 expansion was completed in November 2010. The State Clearinghouse review of the MND became final on December 4, 2008.</p>	Modified VI.1
The City of Burbank	12	<p>Page 15, Item VII, 9.A, third line from bottom</p> <p>The City of Burbank requests that “Burbank DPW” be replaced with “City of Burbank” as follows: “...then Burbank DPW the City of Burbank will perform accelerated effluent monitoring for these target chemicals for two or more</p>	<p>Regional Water Board staff modified the language as follows:</p> <p>The effluent will be monitored annually for all constituents with current applicable MCLs for drinking water established by DDW included in Attachment A. If the annual sampling result of these constituents (target chemicals) exceeds the corresponding MCL, using the criteria</p>	Modified VII.9.A

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		consecutive months until the MCL is met, at which point the City of Burbank may resume the regular frequency of testing."	established in Attachment A. of the Monitoring and Reporting Program (MRP) No. 0824 6753 , then the City of Burbank DPW will perform accelerated effluent monitoring for these target chemicals for two or more consecutive months until the MCL is met, at which point the City of Burbank may resume the regular frequency of testing.	
The City of Burbank	13	Page 17, Item IX.4: The City of Burbank requests that this paragraph be numbered "5" instead of "4," and all subsequent numbering in Section IX should be similarly renumbered.	Regional Water Board staff corrected the typographical error by renumbering item IX.4 as IX.5 as well as renumbering the sections that followed.	Renumbered IX. 4 and following sections.
Comments received from the State Water Board's Division of Drinking Water on March 23, 2016				
State Water Board's Department of Drinking Water (DDW)	1	Page 26, Section XII, Item 15 – Use Area Requirements The Division requests that the reference to DDW be removed as follows because DDW does not certify backflow testers, as follows: A DDW or County Health Department certified tester shall test all backflow devices annually.	Regional Water Board staff removed the reference to DDW from section XII.15 as requested.	Modified Section XII.15
DDW	2	Page MRP-2, Section I.6 and Page The Division requests that the reference to the California Health Services be removed since the Environmental Laboratory Accreditation Program (ELAP) was transferred to the State Water Board in conjunction with the Division's transfer to the State Water Board.	Regional Water Board staff removed the reference to the California Health Services from section I.6 as requested.	Modified Section I.6
Comments received from Heal the Bay on March 17, 2016				
Heal the Bay	1	Heal the Bay expressed their support of any efforts to recycle water.	Comment noted.	None necessary.