

**TABLE R1r**  
**Reasonable Potential Analysis and Limit Derivation**  
**Using SIP Methodology**  
**Los Angeles-Glendale Water Reclamation Plant**  
**(Discharge #001 - POTW Discharge)**  
**(CA0053953, C#5675)**

| CTR# | DATE                        | Units | CV   | MEC   | CTR CRITERIA         |                        |                            |         |                     | Basin Plan | REASONABLE POTENTIAL ANALYSIS (RPA) |                 |                            |                 |                              |                            |                             |                             |                            |                | HUMAN HEALTH CALCULATIONS |       |
|------|-----------------------------|-------|------|-------|----------------------|------------------------|----------------------------|---------|---------------------|------------|-------------------------------------|-----------------|----------------------------|-----------------|------------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|----------------|---------------------------|-------|
|      |                             |       |      |       | Freshwater           |                        | Human Health               |         |                     |            | Title 22<br>GWR                     | MEC >= Lowest C | Tier 1 -<br>Need<br>limit? | B               | B>C &<br>present<br>in Effl. | Tier 2 -<br>Need<br>limit? | Tier 3 -<br>Need<br>info. ? | Tier 3 -<br>other<br>limit? | AMELhh =<br>ECA = C h<br>O | Organisms Only |                           |       |
|      |                             |       |      |       | C acute =<br>CMC tot | C chronic =<br>CCC tot | Not applicable<br>C hh W&O | C h h O | MDEL/<br>multiplier |            |                                     |                 |                            |                 |                              |                            |                             |                             |                            | MDEL hh        |                           |       |
|      |                             |       |      |       |                      |                        |                            |         |                     |            |                                     |                 |                            |                 |                              |                            |                             |                             |                            |                |                           |       |
| 14   | Cyanide                     | µg/L  |      | 0.0   | <0.004               | 22                     | 5.2                        | 700     | 220,000             | 200        | 5.2                                 | NO              | NO                         | Go to<br>Tier 2 | 0.004                        | NO                         | NO                          | NO                          |                            |                |                           | 0     |
| 38   | Tetrachloroethylene         | µg/L  | 2.96 | 3.51  | NONE                 | NONE                   |                            | 0.8     | 8.85                | 5          | 5                                   | NO              | NO                         | Tier 2          | <0.38                        | No                         | Go to<br>Tier 3             | NO                          | NO                         |                |                           | 0     |
| 60   | Benzo(a)Anthracene          | µg/L  |      | 0.87  | <0.14                | NONE                   | NONE                       | 0.0044  | 0.049               |            | 0.049                               | NO              | NO                         | NO              | <0.14                        | NO                         | NO                          | NO                          | NO                         |                |                           | 0     |
| 68   | Bis(2-Ethylhexyl) Phthalate | µg/L  | 0.92 | 7     | NONE                 | NONE                   |                            | 1.8     | 5.9                 | 4          | 4                                   | YES             | YES                        |                 | 1                            | NO                         | NO                          | NO                          | NO                         | 5.9            | 2.435                     | 14    |
| 73   | Chrysene                    | µg/L  | 0.83 | <0.12 | NONE                 | NONE                   |                            | 0.0044  | 0.049               |            | 0.049                               | NO              | NO                         | Go to<br>Tier 2 | <0.12                        | NO                         | Go to<br>Tier 3             | NO                          | NO                         |                |                           | 0.000 |
| 97   | N-Nitrosodi-n-Propylamine   | µa/L  | 0.83 | <0.13 | NONE                 | NONE                   |                            | 0.005   | 1.4                 |            | 1.4                                 | NO              | NO                         | Tier 2          | <0.13                        | NO                         | Go to<br>Tier 3             | NO                          | NO                         |                |                           | 0.000 |

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| CTR# | DATE                        | Units | AQUATIC LIFE CALCULATIONS  |           |                        |             |            |                       | AQUATIC LIFE CALCULATIONS |                       |              |             |             |    | PROPOSED LIMITS |  |                                                   |  | Recommendation |
|------|-----------------------------|-------|----------------------------|-----------|------------------------|-------------|------------|-----------------------|---------------------------|-----------------------|--------------|-------------|-------------|----|-----------------|--|---------------------------------------------------|--|----------------|
|      |                             |       | Freshwater                 |           |                        | Freshwater  |            |                       | Freshwater                |                       |              | Freshwater  |             |    | Lowest          |  |                                                   |  |                |
|      |                             |       | ECA acute multiplier (p.7) | LTA acute | ECA chronic multiplier | LTA chronic | Lowest LTA | AMEL multiplier (n=4) | AMEL aq.life              | MDEL multiplier (n=4) | MDEL aq.life | Lowest AMEL | Lowest MDEL |    |                 |  |                                                   |  |                |
| 14   | Cyanide                     | µg/L  |                            |           | 0                      |             | 0          | 0                     |                           |                       |              | 0           | --          | -- |                 |  | No limit.                                         |  |                |
| 38   | Tetrachloroethylene         | µg/L  |                            | NA        |                        | NA          | NA         |                       | NA                        |                       | NA           |             |             | -- | --              |  | No Limit                                          |  |                |
| 60   | Benzo(a)Anthracene          | µg/L  |                            | NA        |                        | NA          | NA         |                       | NA                        |                       | NA           |             |             | -- | --              |  | No limit.                                         |  |                |
| 68   | Bis(2-Ethylhexyl) Phthalate | µg/L  | 0.22                       | NA        | 0.397                  | NA          | NA         | 1.868                 | NA                        | 4.549                 | NA           | 4.00        | no limit    |    |                 |  | Need limit (Tier 1), RP to exceed Basin Plan WQO. |  |                |
| 73   | Chrysene                    | µg/L  |                            | NA        |                        | NA          | NA         |                       | NA                        |                       | NA           |             |             | -- | --              |  | No limit.                                         |  |                |
| 97   | N-Nitrosodi-n-Propylamine   | µg/L  |                            | NA        |                        | NA          | NA         |                       | NA                        |                       | NA           |             |             | -- | --              |  | No limit.                                         |  |                |