DISCHARGE OF HYDROSTATIC TEST WATER AND POTABLE WATER TO SURFACE WATERS WITHIN THE SAN DIEGO REGION

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San Diego County Water Authority

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Background

- Original Permit
  - Order No. R9-2002-0020
  - NPDES No. CAG679001
- Current Permit
  - Order No. R9-2010-0003
- MS4 Permits
Current Permit Requirements

- Effluent Limitations
- Surface Water Limitations
- Best Management Practices
- Monitoring
- Reporting
Effluent Limitations

• Total Residual Chlorine – 0.1 mg/L
• pH – Within the limits of 6.0 and 9.0 at all times

V. Effluent Limitations

A. The discharge of Hydrostatic Test Water and/or Potable Water shall not contain constituents in excess of the following:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Effluent Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Residual Chlorine</td>
<td>mg/L</td>
<td>0.1(^1)</td>
</tr>
<tr>
<td>pH</td>
<td>Units</td>
<td>Within the limits of 6.0 and 9.0 at all times</td>
</tr>
</tbody>
</table>

\(^1\) Compliance with Effluent Limitation shall be determined as specified in Section VIII.A of this Order
Surface Water Limitations

- Discharges must not exceed limitations within:
  - California Toxics Rule
  - California Ocean Plan
  - San Diego Basin Plan

Table E-4 CTR and Ocean Plan Monitoring

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Sample Type</th>
<th>Minimum Sampling Frequency</th>
<th>Sampling Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTR Priority Pollutants</td>
<td>µg/L</td>
<td>Grab</td>
<td>1/year</td>
<td></td>
</tr>
<tr>
<td>Ammonia Nitrogen, Total (all N)</td>
<td>µg/L</td>
<td>Grab</td>
<td>1/year</td>
<td></td>
</tr>
<tr>
<td>Phenolic Compounds (nonchlorinated)</td>
<td>µg/L</td>
<td>Grab</td>
<td>1/year</td>
<td></td>
</tr>
<tr>
<td>Phenolic Compounds (chlorinated)</td>
<td>µg/L</td>
<td>Grab</td>
<td>1/year</td>
<td></td>
</tr>
<tr>
<td>HCFs</td>
<td>µg/L</td>
<td>Grab</td>
<td>1/year</td>
<td></td>
</tr>
<tr>
<td>Radioactivity</td>
<td>pCi/L</td>
<td>Grab</td>
<td>1/year</td>
<td></td>
</tr>
</tbody>
</table>

Ocean Plan Table B Parameters for Protection of Human Health – Non-Carcinogens

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Sample Type</th>
<th>Minimum Sampling Frequency</th>
<th>Sampling Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tributyltin</td>
<td>µg/L</td>
<td>Grab</td>
<td>1/year</td>
<td></td>
</tr>
<tr>
<td>1,1,1-trichloroethane</td>
<td>µg/L</td>
<td>Grab</td>
<td>1/year</td>
<td></td>
</tr>
<tr>
<td>Halomethanes</td>
<td>µg/L</td>
<td>Grab</td>
<td>1/year</td>
<td></td>
</tr>
<tr>
<td>PAHs</td>
<td>µg/L</td>
<td>Grab</td>
<td>1/year</td>
<td></td>
</tr>
<tr>
<td>TCDD-TNF equivalents</td>
<td>µg/L</td>
<td>Grab</td>
<td>1/year</td>
<td></td>
</tr>
</tbody>
</table>

1. Monitoring to be conducted on water obtained from MWU by San Diego County Water Authority (SDCWA).
2. Labratories may use approved test methods for drinking water analysis in accordance with 40 CFR Part 141 if the methods are substantially equivalent to the Methods in 40 CFR Part 136 in both precision and accuracy as it relates to the determination of compliance with CTR and Ocean Plan objectives.
Standardized Best Management Practices

- Minimize contact between pollutants and flow
- Treatment control to remove pollutants
Monitoring

- Discharger
  - Receiving Water Monitoring
- Regional (Water Authority)
  - California Toxic Rule
  - California Ocean Plan
  - San Diego Basin Plan
Reporting

- Planned Discharges
- Unplanned Discharges
  - 24-Hour Reporting
  - 5-Day Reporting
- Annual Reports
- Past Discharge Events
- System Wide Summary
- Scheduled Discharge Events
- Self Monitoring Reports
and now...