

Compliance Sampling and Analysis Program: Information for Industrial Users

If required, the Industrial User shall administer a satisfactory wastewater compliance sampling and analysis program that provides for the sampling and analysis of the constituents referenced in Appendix Section F. Proper sampling, sample handling, and preservation techniques shall be employed at all times during the compliance sampling. The compliance sampling and analysis program shall meet the following requirements.

A. Sampling Requirements:

1. **Constituents and Location:** The Industrial User shall conduct compliance sampling and analysis throughout the sampling period for all applicable constituents according to the schedule and at the locations specified by the District. Compliance sampling shall be scheduled to coincide with any batch treatment and/or discharge of process solutions. All samples shall be representative of the process waste stream to the extent practicable.
2. **Alternative Sampling Program:** The Industrial User shall submit any alternative compliance sampling and analysis program to the District for review and approval prior to initiating said program.
3. **Notification of Sampling:** The Industrial User shall notify the District's Source Control Section at (925) 229-7288 at least five working days prior to each compliance sampling event so that a District representative may be present to witness the event. Alternatively, the Industrial User may conduct its compliance sampling on an established schedule. The Industrial User shall submit a copy of the schedule in advance of implementation. The Industrial User shall notify the District of any changes to the schedule in accordance with the above.

B. Sampling Methods: The following definitions apply to collection procedures for all required sampling activities:

1. **Composite Sample:** A collection of individual samples obtained throughout the entire sampling period. Individual samples shall be taken at an average frequency of at least one sample each hour and shall be combined to form a composite sample.
 - i. **Time proportional:** Samples of equal volume collected at regular intervals of at least once each hour regardless of flow.
 - ii. **Flow proportional:** The volume of each individual sample is proportional to the rate of flow at the time the sample was collected, or individual samples of equal volume are collected at intervals determined by a specific volume of flow passing the sampling point.
2. **Grab Sample:** A sample collected at a particular place and at a time coinciding with full process activity that is representative of the wastestream at that place and time.
 - i. **Composite grab:** A sample consisting of at least four (4) grab samples taken during the entire sampling period. Each grab sample shall be appropriately preserved immediately after collection. (See Section V.C.1. of the permit). Individually preserved grab samples may be composited prior to analysis. Samples taken for Volatile Organics Analysis (VOA), if required, shall be composited by the contracted laboratory prior to analysis.
 - ii. **Cross-sectional grab:** A grab sample that is representative of the entire contents of a tank or container. This sample shall be collected using a

technique that takes a cross section of sample from the entire depth of the tank or container.

C. Sample Preservation and Analysis:

1. **Sample Handling:** All samples shall be handled and preserved in accordance with the procedures presented in the Code of Federal Regulations, Title 40, Part 136 (Examination of Water and Wastewater). If the sampling method is not identified in these regulations, the procedures in Standard Methods for the Examination of Water and Wastewater (latest edition) shall be followed. Samples shall be delivered to the laboratory for analysis no later than the next working day following completion of the sampling activities. Under no circumstances shall the maximum holding time be exceeded.
2. **Certified Laboratory:** The laboratory selected to perform the analysis must be certified by the State of California Department of Health Services for wastewater analyses. The laboratory's certification number shall be included with each PCR submitted to the District.
3. **Special Analysis Requirements:**
 - a. **Oil and Grease:** For Industrial Users required to sample for total oil and grease, the laboratory shall analyze the extracted oil and grease to determine the concentration of hydrocarbons of petroleum (mineral) origin if the analysis of total oil and grease exceeds 100 mg/L.
 - b. **Photoprocessing Wastes:** For Industrial Users required to conduct sampling of the discharge from photoprocessing units, the analysis for Silver shall be performed on an unpreserved and undigested sample. The industrial User shall also instruct the contract laboratory to perform a silver spike-recovery test on the photoprocessing sample.

D. Reporting:

1. **PCR:** The Industrial User shall submit a completed Periodic Compliance Report (PCR) for each reporting period by the due date specified by the District. The completed PCR shall include the original analysis reports and chain of custody documents.

The Industrial User may request an extension of the due date for the submittal of the PCR provided that the extension is requested prior to the due date. Facsimile submittal of a completed PCR by the due date will be accepted provided that the original PCR is received within five working days of the facsimile submittal.
2. **Process flow data:** The Industrial User shall include with the PCR flow data for the regulated process discharges for the days in which the compliance sampling was conducted. The flow data for the process discharge shall be obtained from one of the following:
 - a. A totalizing discharge flow meter, if required (see permit Appendix);
 - b. A process water supply meter, if required (see permit Appendix);
 - c. A process water usage estimate. The Industrial User shall describe the method of estimation in the PCR.