

**ERIE COUNTY/SOUTHTOWNS SEWAGE TREATMENT AGENCY
ERIE COUNTY SEWER DISTRICT NO. 2, 3, 6**

SAMPLING, MEASUREMENTS AND ANALYTICAL GUIDELINES

A. SAMPLING

1. Before commencement of any sampling or flow monitoring, the Erie County Division of Sewerage Management shall be notified at least seventy-two hours in advance by the facilities operator. The County will give a twenty-four hour notification on whether split sampling will be initiated.
2. Sample point(s) must be approved by a District representative before sampling is to take place, unless the sample point is designated in an Industrial Wastewater Discharge Permit.
3. All process discharge lines must be sampled separately if they are not combined before a municipal sewer. Sanitary lines are not sampled, unless process water is mixed in.
4. All discharge lines from one building or all discharge lines from one process must be sampled at the same time.
5. A Sample Collection Field Sheet is required for each day of sampling and is to be submitted with the monitoring report. An example of a Sample Collection Field Sheet is attached. The following items must be recorded:
 - a. Date of each sample day.
 - b. If done manually, time of each grab sample with the sampler's initials.
 - c. If auto-sampler, the type used; size and type of tubing, time started and sampling interval.
 - d. Record of all physical observations (sight, smell, consistency, floatable, sheen, etc.) of the discharge at start up, during inspection, and changing of sample.
 - e. Total water consumption shall be recorded for each days' composite using water meter readings. If water meter reading are not used, then the water consumption calculations must be explained in the report.
 - f. Signature of the person taking the sample.
6. A chain of possession log is required to be used for all sampling and analysis and must be included with the monitoring report.
7. A separate Sample Field Collection Sheet must be completed for each grab sample of pH, oil and grease, total phenols, cyanide, sulfide and volatile organics.

8. A drawing showing the exact location of the sample point(s) and water and/or discharge meter(s) must accompany each monitoring report.
9. If an auto-sampler is used, tubing must be at least 3/8 I.D. and the intake hose velocity must be at least 2.0 f.p.s. with a minimum lift of twenty feet.
10. After the first day of sampling, the tubing must be cleaned with detergent or methanol and deionized water each day, and for each subsequent sampling day.
11. All sampling shall be taken at the highest velocity, greatest turbulence and center of flow.
12. All sampling must be done on normal work days. If there is a process discharge after normal working hours, sampling must continue until there is no further discharge.
13. Proper refrigeration of the sample must be maintained during the entire sampling period.
14. The handling, storage preservation and analytical procedures for each parameter shall follow Environmental Protection Agency Guidelines, 40 CFR 136, October 26, 1984 with all subsequent amendments, proposal and final rules.
15. The sample bottle(s) must be glass when oil and grease, T. Hydrocarbon and/or organics are being tested.

B. MEASUREMENT AND GUIDELINES

16. All violations must be verbally reported to the County (Southtowns Advanced Wastewater Treatment Facility at 823-8188) within twenty-four hours of when the industry becomes aware of them.
17. Each analytical report must include the date when each pollutant analytical result was logged at the lab.
18. The monitoring report, which shall consist of the analysis, field log(s), map, certification statement and chain of possession log, must be submitted by the industry and not by the contract/consulting firm.
19. If any procedures have to be changed due to unique situations, the County must be notified immediately for approval. When approved, a written explanation of the change must accompany the analysis sheet.
20. Any split samples that indicate a discrepancy of greater than 20% may be grounds for disapproval of the analysis.
21. The laboratory performing the analyses must be certified by the New York State Department of Health for wastewater analysis and for the specific parameter(s) analyzed. A copy of the laboratory's certification shall be provided with the analyses when requested by the District.

22. The results of each parameter tested must be reported in the units as specified in the Industrial Wastewater Discharge Permit and/or 40CFR136.
23. Monitoring reports must contain the following signed certification statement:

I certify, under penalty of law, that this document and all attachments were prepared under/by direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

The statement must be signed by responsible corporate official (a president, secretary, treasurer or vice president), if submitted by a corporation or by a general partner or proprietor if the industrial user submitting the report is a partnership or sole proprietorship respectively.

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