



newsletter

May 2010

Is your wastewater sampling service providing you with Representative and Defensible results?

THE LION GROUP LLC (TLG) provides this Newsletter as complimentary regulatory information to our clients, resources, and associates.

The key to credible sampling is to collect representative samples; be able to prove that they are representative, and ensure that the samples are used as credible evidence to be presented to Regulatory Agencies, Public, Government Officials, and Internal Management Groups.

As analytical laboratories are in a very competitive market, most analytical laboratories offer their own in-house sampling service as an add-on service. TLG is an environmental, health & safety company that offers a unique sampling service (specializing in sampling of air . soil . water . wastewater . stormwater) which is not affiliated with any sole laboratory.

Proper sampling is a major contributing factor in producing representative and defensible analytical results. Sampling must be conducted by very experienced and well-trained technicians. Not only does TLG have the experience and well-training technicians, TLG also has experienced instructors who conduct representative and defensible sampling classroom training at the "TLG Institute of Professional Education". TLG has three levels of certified sampling technicians:

Level 1--received 24-hours of classroom training and 12 months of supervised sampling experience in the field,

Level 2--received 48-hours of classroom training, provided classroom instruction, has demonstrated competency in sampler repair and calibration, and has 2 years of sampling experience.

Level 3--participated in over 70 hours of classroom training, completed all the requirements for a Technician Level 1 & 2, and has over 5 years of sampling experience.

TLG is assisting a number of clients with their wastewater compliance challenges. Regulators focus on analytical results of all types of industries to confirm their compliance. In every case, the major focus is on the wastewater sampling

techniques / protocols. In basic terms, improper sampling techniques will lead to bad analytical results.

Once a client engages TLG, the first step taken is reviewing the client's past analytical results. Then TLG Sampling Technologies Team will conduct a series of sampling events to confirm or question those results. TLG is a completely independent sampling service which is not affiliated with any sole analytical laboratory.

In almost every case, TLG has found that improper sampling techniques/procedures have been a contributing factor leading to erroneous analytical data results. In some projects, TLG has been engaged to conduct sampling service along with another sampling resource to compare resulting analytical data. In more times than not, the variance in analytical results were so far apart that it could not be explained other than the sampling techniques/protocols used.

In most instances, TLG will conduct multiple sampling in the same waste stream as close to the target sampling point in order to demonstrate a correlation between the reported results. In doing the "multiple sampling", TLG is able to demonstrate whatever results are reported that there is a correlation to one another, there by demonstrating a defensible and representative sample.

If your company is required to sample, please ensure that the selected sampling service is well experienced and properly trained. Ensure the service has field protocols documented; proper equipment is used and calibrated, proper sampling containers and preservation, and solid documentation trail such as labeling of samples and proper chain-of-custodies.

The sampling service selected must have a record of low turn over in their personnel, which is a good indicator of the experience level.

Remember, if you have compliance challenges and or higher than acceptable surcharges, these issues are greatly affected by the sampling techniques/protocols.

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As we grow, we continue to look for well-qualified resources who want to grow in personal / professional strengths and abilities that can contribute to our continued success. Would you be a great contributor to THE LION GROUP TEAM? Call our office at 817.731.4141 and discuss with TLG Principal, Thomas Jones –or– mail your resume / background experience to 4012 Old Benbrook Rd., Fort Worth TX 76116-7810 –or– email to mail.theliongroupllc.com.

THE LION GROUP LLC
 Providing comprehensive Environmental,
 Employee Health and Safety services to global companies
 for more than 40 years.

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SAMPLING SPECIALISTS

STORMWATER · WASTEWATER

· AIR · SOIL

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THE LION GROUP^{LLC}
 EH&S SAMPLING TECHNOLOGIES

- Certified Sampling Technicians
- Proper Field Protocols
- Representative and Defensible Sampling
- Acceptable / Defensible Chain-of-Custody
- Proper Preservations / Sample Retention
- Field Notes, as required