

Position: Asphalt Chemist

Reports to: Staff Asphalt Chemist

Basic Requirements:

- Bachelor's degree in a science major.
- Experience in an asphalt testing lab.
- Strong verbal and written communication skills.
- Intermediate skills with Excel and Word.
- Experience with quality assurance programs a plus.

Basic Function:

- Perform analytical testing for asphalt product quality control.
- Prepare & maintain analytical apparatus and procedures. Train & qualify lab personnel on these same procedures.
- Support asphalt product research and development of new product formulations.

Major Duties and Responsibilities:

Asphalt Lab

- Maintain Procedures & Methods and implement revisions.
- Train/Qualify/Recertify Lab employees in Asphalt Lab subdivision.
- Assist with developing & maintaining QA/QC program in conformance to the Asphalt Area Quality Assurance Manual.
 - Develop standards & correlations, develop control charts, review performance and revise practices as necessary, report statistical & apparatus findings and performance weekly, coordinate routine blind sample testing, assist with QA corrective action plans, assist with interlaboratory crosscheck sample sets
- Provide technical & maintenance support for apparatus & equipment. Write work orders, when necessary, and follow work.
- Assist Staff Asphalt Chemist with developing asphalt product formulations, asphalt research, & crude screening.
- Recommend corrective action for individual asphalt blends.
- Generate paving contractor references for current asphalt products, e.g., temperature-viscosity charts.
- Prepare customer provided samples of asphalt and paving for further analyses.
- Assist Staff Asphalt Chemist with investigating customer inquiries for asphalt product supply.
- Recover solvents from various asphalt test methods.

- Prepare mix design samples for agencies, construction labs, and customers.

Apparatus (non-asphalt)

- Provide technical & maintenance support for Rapid GC (Falcon).

LIMS Assistant Administrator

- Assist with maintaining Lab Information Management System (LIMS). Establish and revise sample test profiles, sample schedules, warning limits, & reports. Act as LIMS Administrator from time to time.

Other

- Issue product Certificates of Analysis.
- Assist with alternate crude evaluations.
- Maintain retain sample inventory.
- Able to lift 50 pounds.
- Be able to take the initiative in problem solving. Be a self-starter.
- Must qualify for a Transportation Worker's Identification Card (TWIC).