

Job Title: Mineral Processing Engineer / Metallurgist

Reports to: Production Manager

Salary: Depending on Experience

Summary:

Responsibilities include optimization of existing plant and equipment as well as development and implementation of recovery and process improvements. Provide technical assistance and advice to the Production Manager as required. Assist Plant Supervisors with training and operating procedure development.

Duties and Responsibilities

- Provide general technical support and advice as required within the company.
- Apply professional engineering/technical skills to optimize existing plant equipment and processes with a focus on recovery of Valuable Heavy Minerals.
- Supervise and assist with plant process monitoring and adjustments.
- Oversee and conduct test work aimed at plant process improvements.
- Assist the Production Manager with project proposals and implementation.
- Assist the Production Manager with plant planning and performance reporting.
- Provide support for the laboratory processes and assist in maintaining product quality. Report any quality issues to the Production Manager immediately.
- Progressively gain and apply knowledge of plant instrumentation, calibration, adjustment and troubleshooting.
- Take on the role of Radiation Safety Officer.
- Set a good example to other employees, particularly with regard to safety and health.
- Comply with all Garnet USA safety, health and environmental policies and procedures plus any other Garnet USA issued policies or notices. Ensure the same of other persons under your control, including contractors.
- Perform other related duties as required.

Qualifications

- This position requires a Bachelor of Science in Process Engineering, Industrial Engineering, Extractive Metallurgy or related field.
- Good working knowledge of mineral sand processing operations preferable.

Other Requirements

- Excellent written and verbal communication skills.
- Excellent interpersonal and leadership skills.
- Self-motivated and able to work independently.
- Strong organizational, analysis, and problem solving skills, with an ability to multitask.
- Responsible attitude and approach towards safety and environmental management.
- Ability to develop and draft procedures, plans, and internal control systems.
- Ability to conduct independent research.
- Strong general and specialized computer skills, including database applications, Microsoft Outlook, Microsoft Office suite, as well as report development.

Work Environment:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Minimum work expectations are Monday – Friday, 8:00 am – 4:30 pm. Some work outside of these hours will be required.
- Frequently exposed to noisy conditions.
- Frequently exposed to dusty conditions.
- Frequently exposed to wet conditions.
- Occasionally exposed to extreme heat and cold.
- Will be required to wear Personal Protective Equipment (PPE).

Physical Demands:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

The employee must frequently lift and/or move up to 10 pounds and occasionally lift and/or move up to 55 pounds. Specific vision abilities required by this job include Close vision, Distance vision, Peripheral vision, Depth perception and Ability to adjust focus. While performing the duties of this Job, the employee is regularly required to talk and hear. The employee is frequently required to sit. The employee is occasionally required to stand; walk; use hands to finger, handle, or feel; reach with hands and arms and stoop, kneel, crouch, or crawl.