

Job Title: Underground Surveyor
Department: Mine
Reports To: Chief Engineer
FLSA Status: Non-Exempt
Creation Date: 3/16/2017
Revision Date: 10/10/2017



POSITION SUMMARY

Measures, lines out, and maps underground features including development & production drifts, headings, infrastructure, and stopes, using a variety of survey instruments and computer databases.

SAFETY, HEALTH & ENVIRONMENTAL RESPONSIBILITIES AND ACCOUNTABILITIES

All Hecla personnel shall strive to achieve best practice in safety and health, and assist in the control of incidents, injuries and loss. Duties include, but are not limited to:

- Complying with all necessary requirements put in place to prevent incidents, injuries or losses
- Ensuring the safety and health of themselves and others in the workplace by being responsible for their actions and taking due care while performing their work
- Identifying, eliminating, and reporting hazards as soon as practicable
- Reporting incidents and accidents as soon as practicable
- Disclosing all information regarding incidents and cooperating in incident investigations
- Assisting in the resolution of health and safety matters in a positive and timely manner
- Using and maintaining PPE
- Providing suggestions for improving work processes
- Assisting Management by supporting change to achieve desired targets
- Ensuring that plant and equipment operate within their safe working limits
- Ensuring that correct equipment is used for the job
- Participating in risk assessment methodology
- Participating in safety initiatives
- Receiving training and instruction as required
- Maintaining good housekeeping standards

ESSENTIAL FUNCTIONS

- Meets with mine engineers, geologists and operators to determine scope of needed survey.
- Studies existing mine maps, production records and survey information on areas to be surveyed; assesses what further information is needed to carry out the survey.
- Measures underground features such as detail, line and grade using Trimble total station & data collectors; performs cavity monitoring surveys with OpTech hardware.
- Delineates boundaries; prepares maps and as-built plans using 2D, 3D and other computer-based programs.
- Other duties may be assigned.

QUALIFICATIONS

Education Requirements

Associates Degree in surveying or related field; or equivalent combination of education and work experience in lieu of degree.

Experience

Prefer two or more years' experience in survey work. Must understand surveying principles and AutoCAD. Experience with Deswik or another 3D mining software package is preferred but not required. The ability to use survey equipment to produce data, analyze and summarize into computer generated reports and maps is required. Knowledge of Microsoft and other software (Excel, Word, Notepad) preferred.

PHYSICAL DEMANDS

While performing the duties of this job, employees may be frequently required to stand, walk, or sit for extended periods of time; use hand and fingers to handle or feel; reach with hands and arms; climb and balance; stoop, kneel, crouch, and crawl. The employee must be able to talk and hear.

JOB TASK	TEST ACTIVITY	COMMENTS
Walking - Incline	Treadmill Level – 3 min. 10% grade 1 min. 12% grade- 1 min. 15% grade – 1 min.	Work areas
Balance uneven surfaces	Airex-SLS or balance board 30 sec.	Uneven surfaces
Carry 42 lbs. 50 ft.	Weighted crate trial - lift and carry 1: 15lbs. – 1 rep. 2: 30lbs. – 1 rep. 2: 30lbs. – 1 rep	Survey Equipment
Carry 134 lbs. 26" to 30"	Weighted crate trial - lift and carry 1: 90lbs. – 1 rep. 2: 110lbs. – 1 rep. 3. 134lbs. – 1 rep.	Flyght Pump
Lift 90lbs. 2 hands Floor to Shoulder	Weighted crate trial 1: 30lbs. – 1 reps. 2: 60lbs. – 1 reps. 3. 90lbs. – 1 reps.	Survey Equipment
Lift 116lbs. 2 hands - Floor to Waist	Weighted crate trial 1: 100lbs. – 1 reps. 2: 116lbs. – 1 reps.	Survey Equipment
Pull 65lbs 2 hands - Elbow/chest	Force Gauge	Hose on ground

Other Physical Demands

Vision - Constant:

- Able to judge distances and spatial relationships to avoid accidents while driving and walking underground
- Have clarity of vision while operating machinery, reading gauges, and placing tools
- Have clarity of vision for distances while navigating within the mine and access roads efficiently and safely
- Able to adjust varying points of reference while safely navigating the terrain, maintaining awareness of traffic, and operating tools and machinery
- Able to identify vehicles, machinery, and people in peripheral vision

Speaking - Occasional:

- Able to clearly communicate with co-workers and supervisors on the radio and in person

Hearing - Occasional:

- Must wear hearing protection while working in the mine

WORK ENVIRONMENT & JOB SCHEDULE

Employees may be frequently exposed to underground work environments; outside weather conditions, wet and/or humid conditions; extreme cold, extreme heat, potentially hazardous wildlife; moving mechanical parts; high precarious places; fumes or airborne particles, toxic or caustic chemicals; risk of electrical shock; explosives and vibration. The noise level in most work environments is usually very loud. This position may require work on nights, weekends and rotating shifts; shift schedules may require residency in on-island camp during work rotations.

ABOUT US

Greens Creek

The Greens Creek Mine, located on Admiralty Island, 18 miles south of Juneau, is an underground polymetallic mine employing approximately 425 people. The mine is owned and operated by Hecla Mining Company, headquartered in Coeur d'Alene, Idaho. Established in 1891, Hecla has a rich history as a distinguished and respected precious metals producer. Winner of numerous safety and environmental awards, Greens Creek is seeking new team members committed to professional growth and success.

Community

Juneau, Alaska's capital, is the third largest city in the state. Like Alaska, Juneau is full of contrasts, a sophisticated cosmopolitan city in the heart of the Tongass National Forest. Nestled at the base of mountains overlooking the Gastineau Channel, Juneau is surrounded by intercoastal waterways, lush rain forests, rugged mountainsides, and awe-inspiring glaciers. This small city has it all, the adventure of the "last frontier" as well as a good education system, year-round cultural and sports activities, a wide variety of entertainment, world class fishing and wildlife viewing, temperate weather, and a strong sense of community. Juneau is rich in mining history and Greens Creek is proud to contribute to that heritage by operating in a safe and environmentally responsible manner.

Compensation & Benefits

Hecla Greens Creek offers competitive pay based on experience and an excellent low-cost benefits package for medical, prescription, dental, and vision insurance as well as other coverages such as disability coverage and life insurance. Retirement benefits include a pension plan and 401(k) with company match.

APPLICATIONS & RESUMES

Applicants must possess current authorization to work in the United States. Resumes are welcome but **must be attached to an application form**. Applications are available at the Juneau Job Center or <http://www.hecla-mining.com/careers/>. Completed applications should be forwarded to:

**Juneau Job Center
10002 Glacier Hwy #200
Juneau, Alaska 99801
Phone: 907.465.4562
Fax: 907.465.2984**

**Hecla Greens Creek is an Equal Opportunity Employer.
Please visit Hecla's website at www.hecla-mining.com
and our recruiting page at
<http://www.hecla-mining.com/careers/>**

ACKNOWLEDGMENT

I have received my job description and understand I will be evaluated on the requirements of the Underground Surveyor position.

Signature and Date

Printed Name