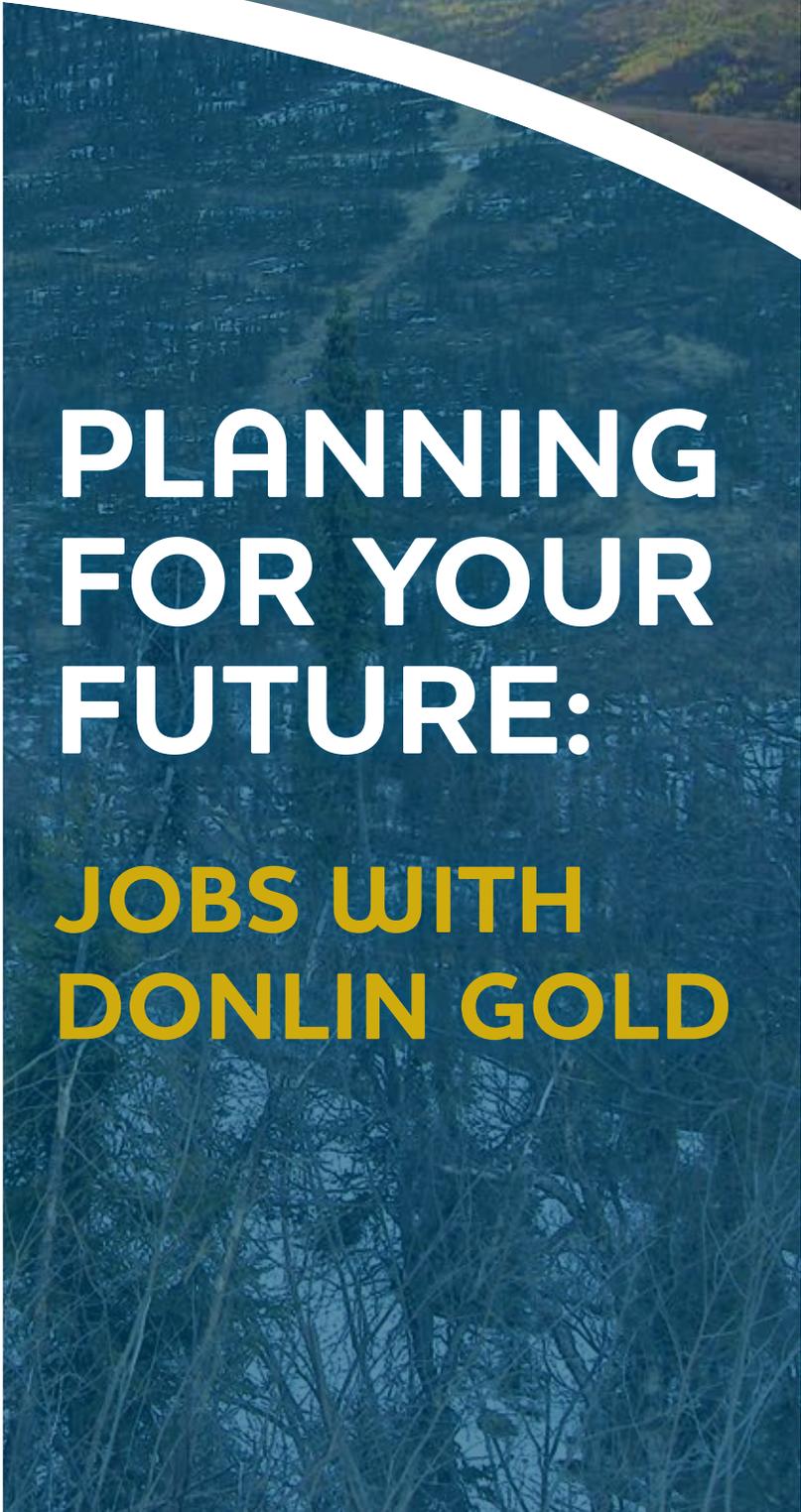




**DONLIN**  
**GOLD**



**PLANNING  
FOR YOUR  
FUTURE:**

**JOBS WITH  
DONLIN GOLD**

# TABLE OF CONTENTS

## PART ONE: INTRODUCTION

Introduction .....	1	Important Considerations Q&A .....	4
About the Donlin Gold Project .....	2	Work Locations .....	5
About This Booklet .....	3	Building the Mine .....	6

## PART TWO: JOBS TO CONSIDER AT DONLIN GOLD

Jobs to Consider at Donlin Gold .....	7	Heavy Equipment Operator (Open Pit Miner) .....	23
Accountant .....	8	Human Resources Coordinator .....	24
Administrative Assistant .....	9	Information Technology Specialist .....	25
Assay Lab Technician .....	10	Maintenance Planner/Scheduler .....	26
Barge Crew .....	11	Mechanics (Millwright, Heavy Equipment, Light Vehicle) .....	27
Blaster .....	12	Metallurgist .....	28
Camp Services Worker .....	13	Mill Operator .....	29
Community Relations/ Shareholder Relations Coordinator .....	14	Mine Operation Supervisor, Manager, Superintendent .....	30
Driller .....	15	Mining Engineer .....	31
Electrician .....	16	Physician Assistant .....	32
Environmental Engineer .....	17	Purchasing Agent .....	33
Environmental Technician .....	18	Security Guard .....	34
Facility Maintenance Worker .....	19	Surveyor .....	35
Firefighter/Paramedic .....	20	Warehouse Technician .....	36
Geologist .....	21	Water Treatment Plant Operator .....	37
Health and Safety Coordinator .....	22	Welder .....	38

## PART THREE: JOB PREPARATION AND TRAINING RESOURCES

Job Preparation and Training Resources .....	39	Colleges and Universities .....	42
Technical and Vocational Institutes and Training Centers .....	40	Two-Year Colleges and University Programs .....	43
		Apprenticeship Programs in Alaska .....	45

## PART FOUR: POTENTIAL JOBS DURING CONSTRUCTION

Potential Jobs During Construction .....	48
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# PART ONE: INTRODUCTION

We are pleased to provide this booklet describing potential future jobs and career opportunities with Donlin Gold.

Whether you are in school or currently looking for a job, planning for a future career can be challenging. This publication provides information you can use to prepare to join the Donlin Gold team, including general descriptions of potential job opportunities, and the education and training needed to qualify for them. Identifying early on what job you might want, and acquiring the necessary training and skills needed for the position beforehand, will make you a more desirable candidate for employment. Some positions require several years of education, training and experience, while some entry level positions might just need certifications that only take a few weeks to receive, such as Mine Safety and Health Administration Training. By completing the job requirements before a potential position is opened, you will have a better chance of being hired.

Donlin Gold has started the permitting process. Once it is complete, the co-owners of Donlin Gold, Barrick Gold U.S. Inc. and NOVAGOLD, will be in a position to make a decision on the construction of the project which would take approximately three to four years. During construction, up to 3,000 jobs could be created. During operation of the mine, which is expected to last a minimum of 27 years, up to 1,400 jobs could be created. We are excited about the potential job opportunities Donlin Gold can bring to the State of Alaska for many years to come and we hope you will take the right steps now that could qualify you for a future job with our company.

If you are a student, it is important to stay focused on getting a good education and making the most of this time. Some jobs at Donlin Gold would require a college degree, while most would require at least a high school diploma or General Education Diploma (GED), along with appropriate training or job experience.

Please take the time to read this publication and decide if any of the jobs described might interest you. To learn about where you can take the next steps to work towards qualifying for these possible opportunities in the future, please see the Job Preparation and Training Resources section of this booklet.

We wish you success in whatever path you choose and look forward to building a safe and successful project with those who come to work with us at Donlin Gold.



# ABOUT THE DONLIN GOLD PROJECT

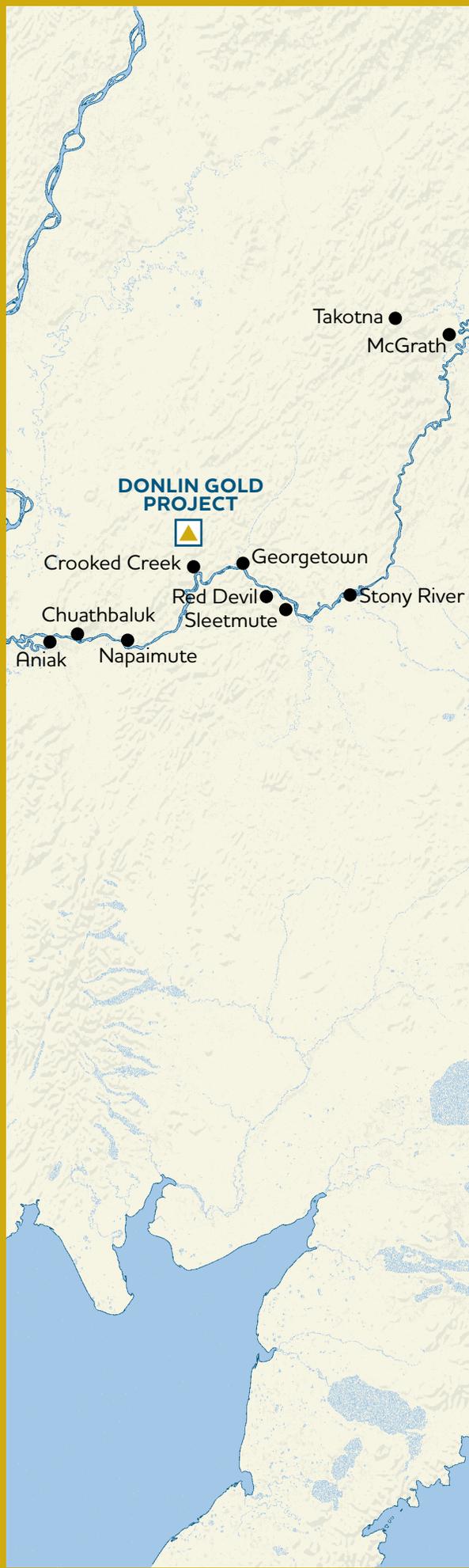
The Donlin Gold project is an undeveloped gold deposit located in the Yukon Kuskokwim (YK) region in Western Alaska. The project site is on land owned by the Calista Corporation and The Kuskokwim Corporation, in the hills about 10 miles north of the village of Crooked Creek.

Donlin Gold has been conducting exploration and environmental studies at the project site since 1995, and has established an outstanding track record for local training and local hire. A number of past and current Donlin Gold employees are shareholders and descendants of the Calista Corporation and The Kuskokwim Corporation. We have an ongoing commitment to these corporations to train and hire shareholders and their descendants.

Donlin Gold is equally owned by Barrick Gold U.S., Inc. and NOVAGOLD. Donlin Gold is responsible for all project activities associated with planning, permitting, building and operating the project.

## QUICK FACTS ABOUT THE DONLIN GOLD PROJECT:

- Donlin Gold has started the permitting process for the project which is expected to take three or more years.
- It would take three to four years to construct the mine.
- Donlin Gold has been studying the environment in the YK region and the Kuskokwim River, including land, water, air, plants, fish and other wildlife for more than 16 years.
- Up to 3,000 jobs would be created during construction.
- Donlin Gold would be one of the largest employers in the YK region during the period of operation.
- The mine is expected to operate for at least 27 years, and during that time there could be up to 1,400 jobs available with the project.
- The mine would have an airstrip and a camp for on-site accommodations for workers, along with a dedicated port near Bethel and another port site about eight miles downriver from the village of Crooked Creek.
- The proposed mine is expected to produce more than 1.5 million ounces annually for the first five years, and 1.1 million ounces or approximately 40 tons of gold annually during the remaining years of operation.



# ABOUT THIS BOOKLET

It is important to have a trained and experienced workforce for the many potential jobs that could be available if the Donlin Gold project is successfully permitted. This booklet provides important information about some of the jobs that would be available during construction and mine operations. It focuses on the jobs that would require education and/or training.

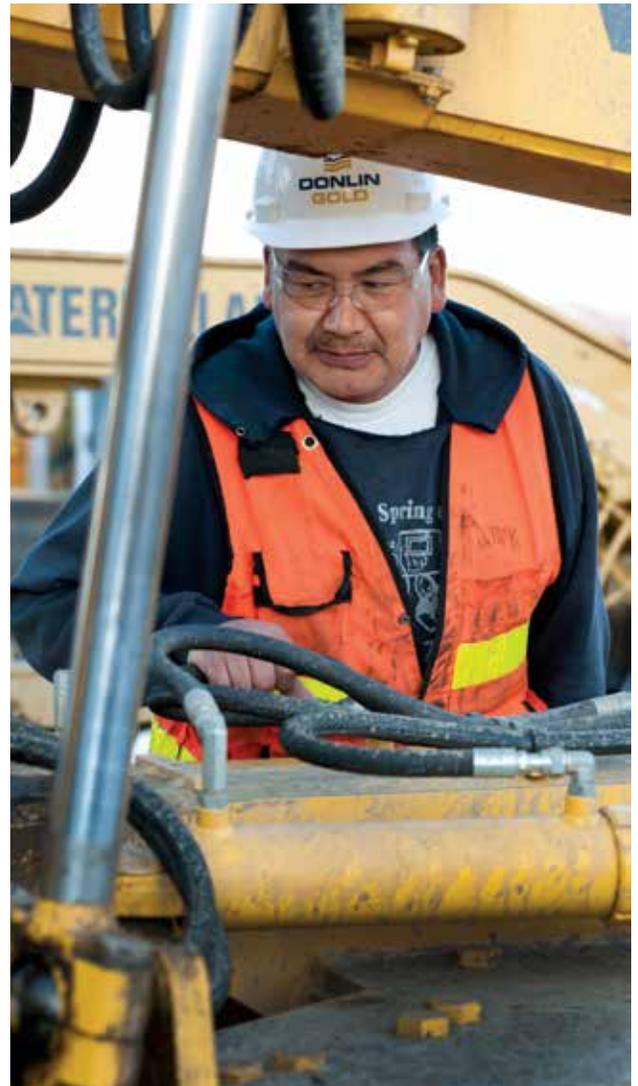
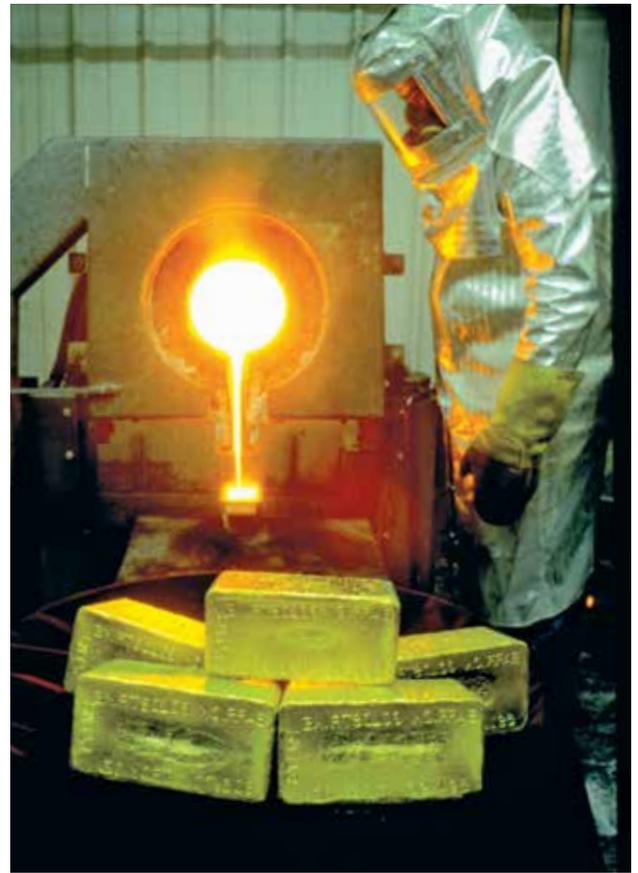
By reading this booklet, you will learn about each job, the skills required for the position, and the training and educational requirements. You will also learn where training is currently available in Alaska to help you qualify for future employment. The jobs listed in this booklet are intended to be general descriptions and are subject to change based on Donlin Gold's needs.

We encourage you to ask questions and learn more from your parents, elders, teachers and job counselors. You can find more information about the project by visiting us online at [www.DonlinGold.com](http://www.DonlinGold.com)

Most of all, we encourage you to take the time to think about your future and the possible job opportunities with Donlin Gold. We are a company committed to safety, responsible development and local hire. If you are interested in the opportunities that may be available at Donlin Gold, make sure you are job ready.

## WHY CONSIDER A JOB AT DONLIN GOLD?

The potential jobs at Donlin Gold would provide valuable income and benefits comparable to many other employers in Alaska. We provide a professional work environment and safety is our top priority at any work site. The skills workers acquire for the Donlin Gold project could also be used in future resource development projects and other infrastructure projects statewide.





## IMPORTANT CONSIDERATIONS Q&A

### WHAT EMPLOYEE CHARACTERISTICS DOES DONLIN GOLD LOOK FOR WHEN RECRUITING PEOPLE TO WORK AT THEIR PROJECT?

In general, mining companies look for people who have:

- A good work ethic
- A positive attitude
- A commitment to work safely

Employees must be willing to travel to remote sites, and be willing to learn and implement new skills.

### HOW OLD WOULD I HAVE TO BE TO WORK AT DONLIN GOLD?

You would have to be at least 18-years-old to enter the mining industry. Donlin Gold would give preference to people who have a high school diploma or GED, have completed vocational training, university courses, post-secondary education or have previous work experience.

### WHAT QUALIFICATIONS WOULD I NEED IF I WERE LOOKING FOR A SKILLED TRADE OR OPERATOR POSITION?

- Relevant and recent experience in the skilled trades or in heavy equipment operation
- Heavy vehicle equipment licenses
- Accreditation or specific training in job related areas

### WOULD THERE BE PRE-EMPLOYMENT REQUIREMENTS?

All applicants to Donlin Gold would be required to pass a pre-employment drug test in addition to a post-job-offer physical and personal background check that would include a criminal history review. Donlin Gold will determine past records, frequency of convictions and other factors to determine employment eligibility. Past work experience and work history would be reviewed during the screening process.

Donlin Gold is a drug- and alcohol-free workplace. There is a zero tolerance policy for drug and alcohol use at any project site. Employees and contractors are tested pre-employment, randomly, post accident/incident and upon reasonable suspicion.

# WORK LOCATIONS

The Donlin Gold project would involve three main work sites: the mine and two port locations. Jobs listed in this publication could be located at any of the potential work sites. Some jobs would also be seasonal, including barging positions, and a rotational work schedule could be available.

## MINE AND MILL SITE

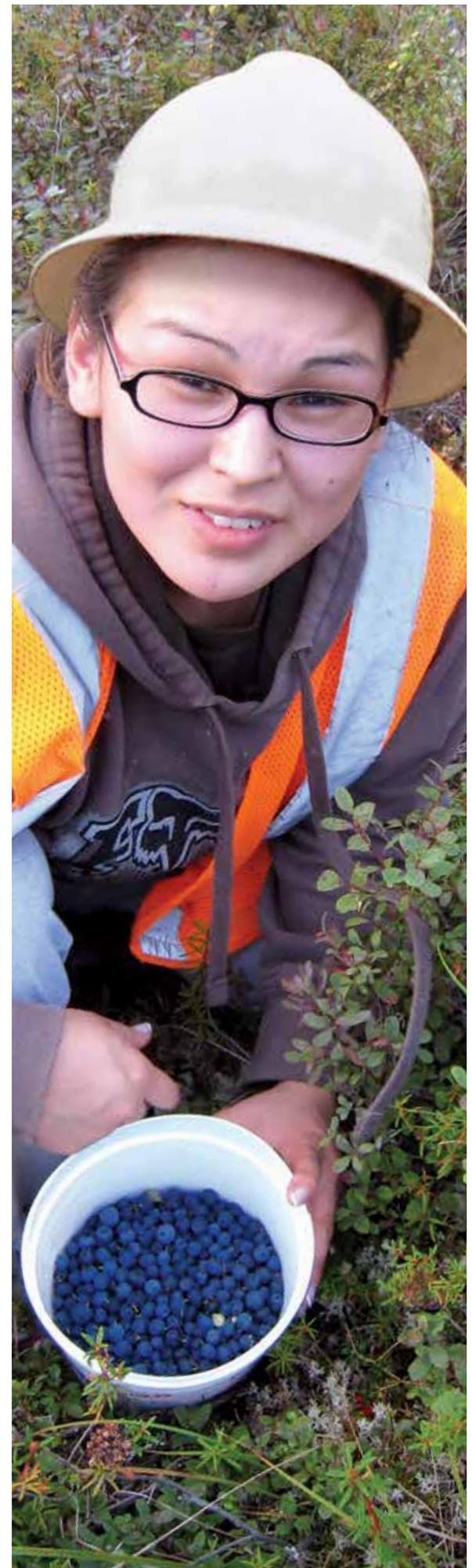
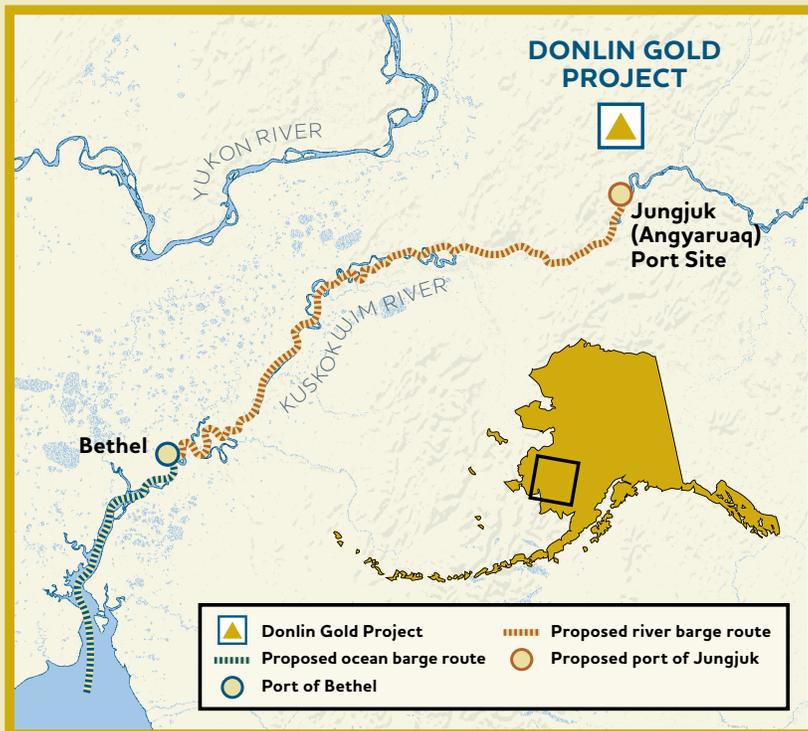
The majority of jobs available with the Donlin Gold project would be located at the mine and mill site. The proposed mine would have an airstrip and a camp with on-site accommodations for workers.

## JUNGJUK (ANGYARUAQ) PORT

Some of the Donlin Gold jobs would also be located at the planned Jungjuk (Angyaruaq) Port facility about eight miles downriver from the village of Crooked Creek. These jobs would be seasonal during the barging season, typically from May to October.

## BETHEL PORT

The Bethel Port would have seasonal jobs during the barging season. These jobs would include transferring cargo from ocean-going barges to river barges and tug operations.



# BUILDING THE MINE

## CONSTRUCTION JOBS

Building the Donlin Gold project is expected to take three to four years. Throughout that time, there could be up to 3,000 positions available. Some of these would be short-term or seasonal positions that could be filled only during certain times of the year. These jobs would consist mostly of trades and skills related to various aspects of construction. Construction phase jobs would require some level of training and experience ranging from ironwork and welding, to civil construction using heavy equipment and over-the-road trucking. Construction jobs could require longer shift rotations based on the type and location of the job. Safety and environmental compliance would be regarded as top priorities by Donlin Gold and would be strictly enforced. Employees hired during the construction phase could also have the opportunity to apply for long-term employment at the mine during operations.

## JOB READINESS AND SKILLS-BASED TRAINING

Most construction jobs require some level of training ranging from entry-level to Journeyman-level trade skills. It is recommended that applicants interested in seeking employment during construction of the Donlin Gold mine gain as much education, training, skills and relevant work experience as possible prior to the construction hiring phase. Training programs and other employee resources in Alaska are referenced beginning on page 39 of this publication. Pre-construction training would not guarantee future employment with Donlin Gold, but would improve your chances for employment with the project.



# PART TWO: JOBS TO CONSIDER AT DONLIN GOLD



# ACCOUNTANT

## ABOUT THIS JOB

Accountants perform a variety of functions including managing a company's financial records, tracking budgets and other financial data, managing payroll and keeping company managers informed of spending levels and patterns. Information tracked by accountants is used for reports, research, financial statements and payroll. Accountants tend to be detail-oriented and enjoy math. Individuals who enter the accounting profession must enjoy working with computers and being at a desk for the workday.

## ACCOUNTANTS PERFORM THE FOLLOWING TASKS:

- Track spending habits and prepare cost reports
- Monitor accounts payable and accounts receivable
- Prepare payroll, create invoices and pay bills
- Ensure compliance with all federal and state accounting laws
- Use computer spreadsheets and accounting software programs to organize financial information
- Review invoices, bank statements and check reports for accuracy

## PREPARATION AND TRAINING FOR THIS POSITION

Accountants must have a high school diploma or GED. Most accounting positions require a four-year bachelor's degree in accounting or a related field. On-the-job accounting experience will give applicants a competitive advantage, and experience does not need to be specific to mining. Once hired, accounting training is provided specific to company procedures and computer software.



## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **ASSOCIATE'S DEGREE**
- \* **BACHELOR'S DEGREE**

# ADMINISTRATIVE ASSISTANT

## ABOUT THIS JOB

Administrative Assistants perform a wide variety of duties requiring knowledge of office systems and procedures. Clerical duties are assigned based on office and department needs, and may include a combination of answering telephones, typing or word processing, maintaining schedules, tracking data, operating office equipment, filing and more. Administrative Assistants are often good multi-taskers, pay attention to detail, effective communicators and very organized, and must enjoy working with computers in an office environment.

## ADMINISTRATIVE ASSISTANTS PERFORM THE FOLLOWING TASKS:

- Operate office equipment, such as photocopiers and scanners, fax machines, voicemail systems and personal computers
- Answer telephones, direct calls and take messages
- Maintain and update filing, inventory, mailing and database systems, either manually or using a computer
- Communicate with managers, supervisors, employees and other individuals to answer questions, disseminate or explain information
- Open, sort and route incoming mail, answer correspondence and prepare outgoing mail
- Compile, copy, sort and file records of office activities
- Compute, record and proofread data and other information such as records or reports
- Type, format, proofread and edit grammar and punctuation in correspondence and other documents
- Complete work schedules, manage calendars and arrange appointments

## PREPARATION AND TRAINING FOR THIS POSITION

Entry-level Administrative Assistants should have at minimum a high school diploma or GED. Executive Administrative Assistants typically have five-plus years of administrative experience and are proficient in computer software including Microsoft Word, Excel and other programs.

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## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **PROFICIENT IN MICROSOFT OFFICE PROGRAMS**



# ASSAY LAB TECHNICIAN

## ABOUT THIS JOB

Assay Lab Technicians prepare rock samples to test for gold content, and other chemical properties and criteria. Information from assay results help define the ore body (the amount of gold in the ore). Assay Lab Technicians work under the direction and supervision of a trained metallurgist, chemist or geologist. They follow procedures designed by geologists to analyze rocks and minerals, milling products and waste byproducts to provide data that makes it possible to locate, mine and extract minerals in a safe, economical and environmentally responsible manner. Individuals in this profession tend to be detail-oriented and have an interest in science, particularly geology and chemistry. They must also work well under the direction of others.

## ASSAY LAB TECHNICIANS PERFORM THE FOLLOWING TASKS:

- Monitor ore and rock material through the mining and milling processes to ensure compliance with standards and specifications
- Compile and organize data from the results of tests and analyses under the direction of a metallurgist, chemist or geologist
- Set up and conduct chemical experiments, tests and analyses under the direction of a metallurgist, chemist or geologist
- Prepare chemical solutions following standardized formulas, or assist in creating experimental formulas and procedures
- Organize, maintain, clean and/or sterilize laboratory instruments or equipment
- Assist in preparation of reports and graphs or charts to document experimental results
- Provide technical support or assistance to metallurgists, chemists and geologists
- Order and take inventory of materials to maintain supplies

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED is required for this job. Focusing on classes in chemistry and other sciences in high school is helpful to better understand the responsibilities of the position. Experience in a laboratory environment will better prepare an applicant for the working environment of this job and give them a competitive advantage.



## EDUCATION:

**\* HIGH SCHOOL DIPLOMA OR GED**



# BARGE CREW

## ABOUT THIS JOB

Barge Crew are responsible for the safe and efficient transfer of products between barges, ships and facilities. They also help coordinate activities aboard ships, boats and barges. Individuals looking to fill this position must be physically capable of handling heavy materials, possess good communication skills (voice and hand signals) and be observant. They should have knowledge of basic arithmetic skills (add, subtract, multiply and divide) and of Coast Guard and state requirements for transfer operations. Typically a Barge Crewmember must be self-motivated and be able to work independently without direct supervision.

## BARGE CREW PERFORM THE FOLLOWING TASKS:

- Steer vessels using navigational devices or aids (such as compasses or sextants, lighthouses or buoys)
- Stand watch on vessels during specified periods while vessels are under way
- Determine geographical positions of ships, using lorans, azimuths of celestial bodies, or computers, and use this information to determine the course and speed of a ship
- Inspect equipment, such as cargo-handling gear, lifesaving equipment, visual-signaling equipment and towing equipment to detect problems and ensure safe operation
- Participate in activities related to maintenance of vessel security
- Arrange for ships to be stocked, fueled or repaired
- Observe loading or unloading of cargo or equipment to ensure that handling and storage are performed according to specifications
- Participate in the repair or replacement of defective gear or equipment
- Participate in cleaning or maintaining barge decks and superstructures

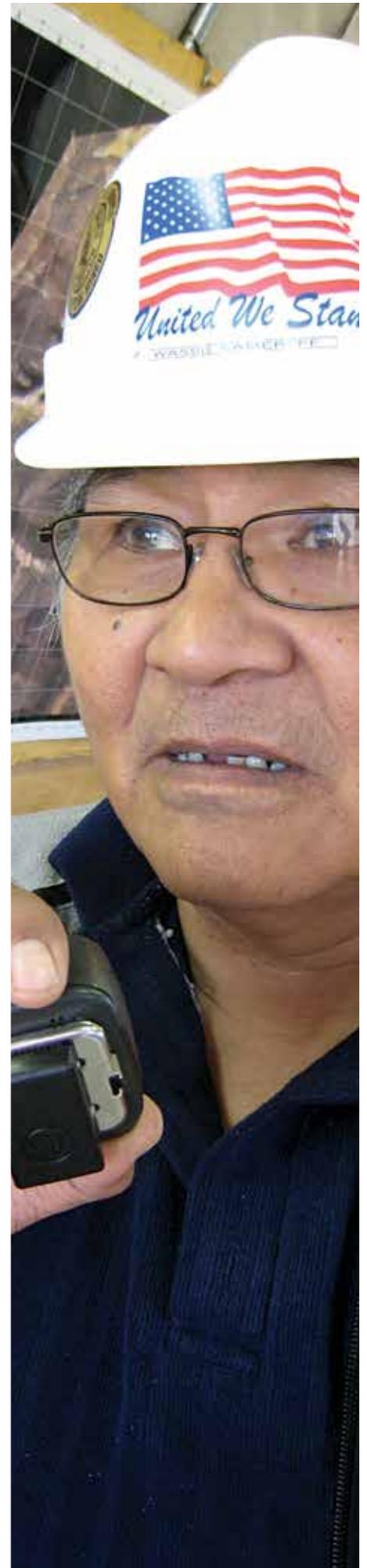
## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, two years of training in a vocational school (generally at a maritime academy) and related on-the-job experience are preferred for this position.

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## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **VOCATIONAL SCHOOL PREFERRED**



# BLASTER



## ABOUT THIS JOB

Blasters place and detonate explosives to loosen, remove, or displace earth, rock or other materials in the mining process. They may also perform specialized handling, storage and accounting procedures. Blasters must know about the equipment, safety policies and procedures for handling explosives and the strategies to make sure all local, state and national security measures are met for the protection of people and property during the mining process. Blasters are careful, reliable and responsible people who are especially good at paying attention to multiple details and are very thorough in completing tasks. Blasters work in potentially dangerous situations and must be able to perform in high-pressure situations.

## BLASTERS PERFORM THE FOLLOWING TASKS:

- Examine blast areas to determine amounts and kinds of explosive charges needed and to ensure that safety laws are observed
- Tie specified lengths of delaying fuses into patterns in order to time sequences of explosions
- Place safety cones around blast areas to alert other workers of danger zones, and signal workers as necessary to ensure that they clear blast sites prior to explosions
- Place explosive charges in holes or other spots, then detonate explosives to demolish structures or to loosen, remove, or displace earth, rock or other materials
- Insert, pack, and pour explosives such as dynamite, ammonium nitrate, black powder or slurries into blast holes, then shovel drill cuttings, admit water into boreholes and tamp material to compact charges
- Mark patterns, locations, and depths of charge holes for drilling and issue drilling instructions
- Compile and keep explosive records in compliance with local and federal laws
- Measure depths of drilled blast holes, using weighted tape measures
- Connect electrical wire to primers, and cover charges or fill blast holes with clay, drill chips, sand or other material

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED is required for this position. Blasters typically are or have been working at a mine previously and have worked their way up through on-the-job training. Blasters must have a current State of Alaska Certification of Fitness for Explosive Handlers.



## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **CERTIFICATION OF FITNESS FOR EXPLOSIVE HANDLERS**

# CAMP SERVICES WORKER

## ABOUT THIS JOB

Camp Services include cooking and housekeeping. Cooks prepare meals throughout the day following safe food handling practices, while maintaining a clean and organized kitchen and dining hall. Housekeepers are responsible for maintaining sanitary and clean environments in all residential and working facilities. An individual seeking one of these positions will be task oriented, willing to work on their feet most of the day and can adjust to different project demands.

## CAMP SERVICES WORKERS PERFORM THE FOLLOWING TASKS:

- Prepare meals for camp personnel
- Create a schedule of meals to serve large groups of personnel in a dining hall
- Order kitchen supplies
- Keep inventory of food and write resupply orders
- Clean and sanitize kitchen and dining areas
- Report any needed repairs to supervisor (such as malfunctioning equipment, leaky faucets, furnishings, etc.)
- Clean camp rooms and other facilities
- Waste disposal and recycling
- Schedule and perform weekly and monthly cleaning tasks

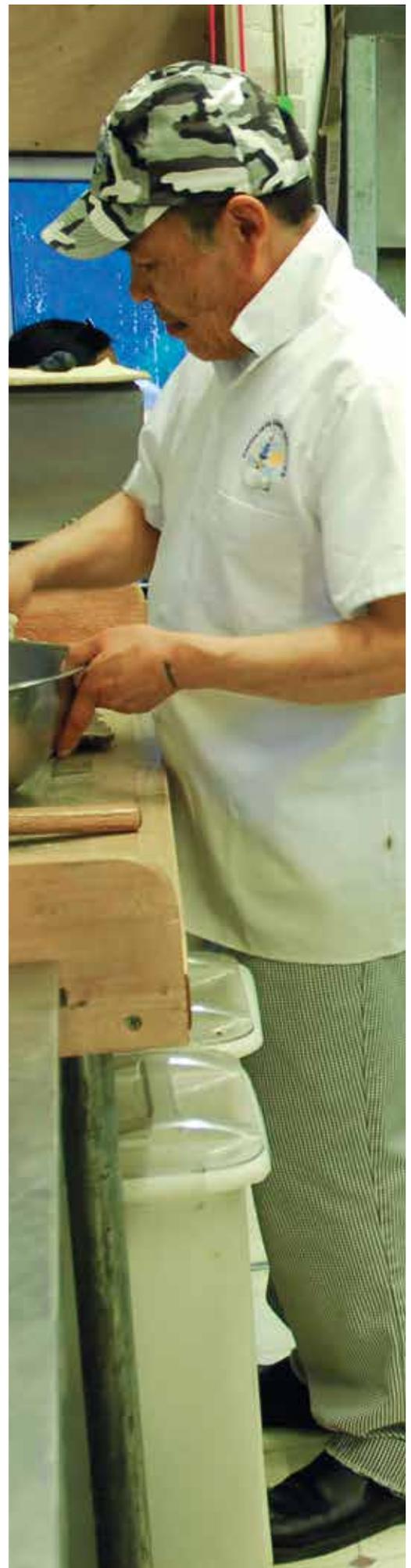
## PREPARATION AND TRAINING FOR THIS POSITION

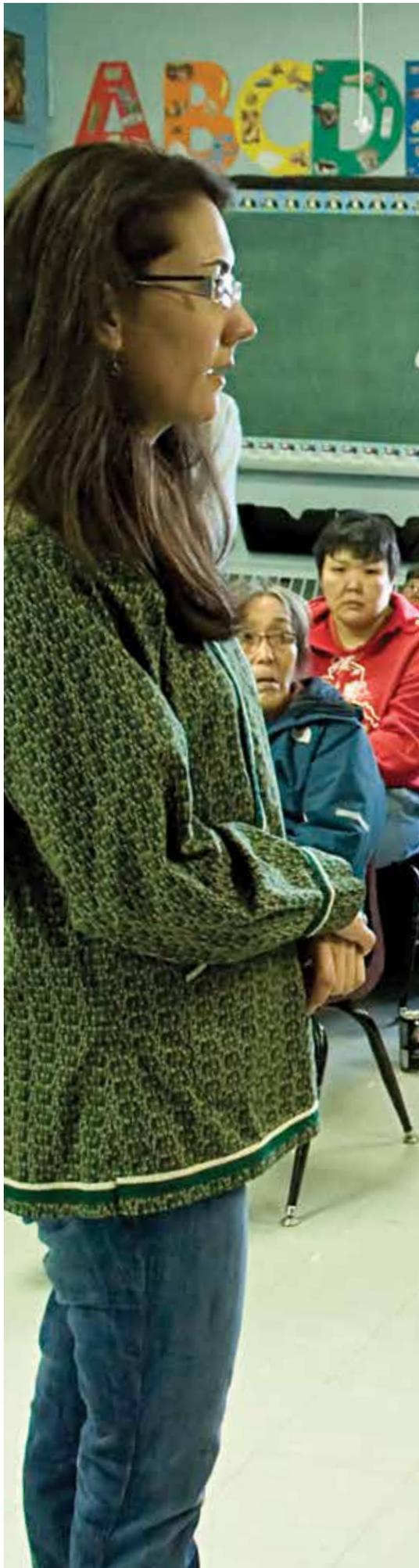
A high school diploma or GED is preferred for this position. Housekeepers may have previous on-the-job experience. Cooks and bakers may have previous on-the-job experience, but a vocational certificate is preferred.



## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **VOCATIONAL CERTIFICATE PREFERRED**





# COMMUNITY RELATIONS/ SHAREHOLDER RELATIONS COORDINATOR

## ABOUT THIS JOB

Community Relations/Shareholder Relations Coordinators help mining companies with public relations and media work. They help write and select materials for press releases, and prepare other communication materials to assist community members to better understand the project. The type of individual for this position should have strong oral/written communication skills and not be afraid to speak publicly and engage with people.

## COMMUNITY RELATIONS/SHAREHOLDER RELATIONS COORDINATORS PERFORM THE FOLLOWING TASKS:

- Respond to requests for information from the media or designate an appropriate spokesperson or information source for interviews
- Study the objectives and needs of the organization to develop public relations strategies that will promote ideas, products or services
- Establish or maintain cooperative relationships with community representatives, employees and/or public interest groups
- Prepare and edit company publications for internal and external audiences, including employee and project newsletters
- Confer with other managers to identify trends and key interest groups or concerns, and provide advice on business decisions
- Arrange public appearances, lectures or exhibits to increase public awareness or to promote goodwill
- Consult with advertising agencies or staff to arrange promotional campaigns in all types of media

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED is required, and most people employed in this field have a bachelor's degree from an accredited college or university typically in journalism, public relations or communications.



## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **BACHELOR'S DEGREE PREFERRED**

# DRILLER

Drillers safely operate a variety of heavy drilling equipment for completing wells and bore holes into the ground to remove core samples during mineral exploration or soil testing, and to facilitate the use of explosives in mining. Drillers may use vertical or horizontal earth boring machines. A Driller must be comfortable with holding a position of high responsibility, work well under pressure and must work well with others. An individual seeking this position should be very observant of their surroundings and disciplined in following safety standards.

## DRILLERS PERFORM THE FOLLOWING TASKS:

- Regulate air pressure, rotary speed and downward pressure according to the type of rock being drilled
- Verify depths and alignments of boring positions
- Monitor drilling operations, check gauges and listen to equipment to assess drilling conditions to determine the need to adjust drilling or alter equipment
- Start, stop and control drilling speed of machines and insertion of casings into holes
- Operate controls to stabilize machines, and to position and align drills
- Select and attach drill bits and rods, adding more rods as depths increase and changing drill bits as needed
- Drill bore holes in rock for blasting, grouting, anchoring or building foundations
- Operate machines to flush earth cuttings or to blow dust from holes
- Drive or guide truck, track or skid-mounted equipment into position, level and stabilize rigs, and extend telescoping derricks

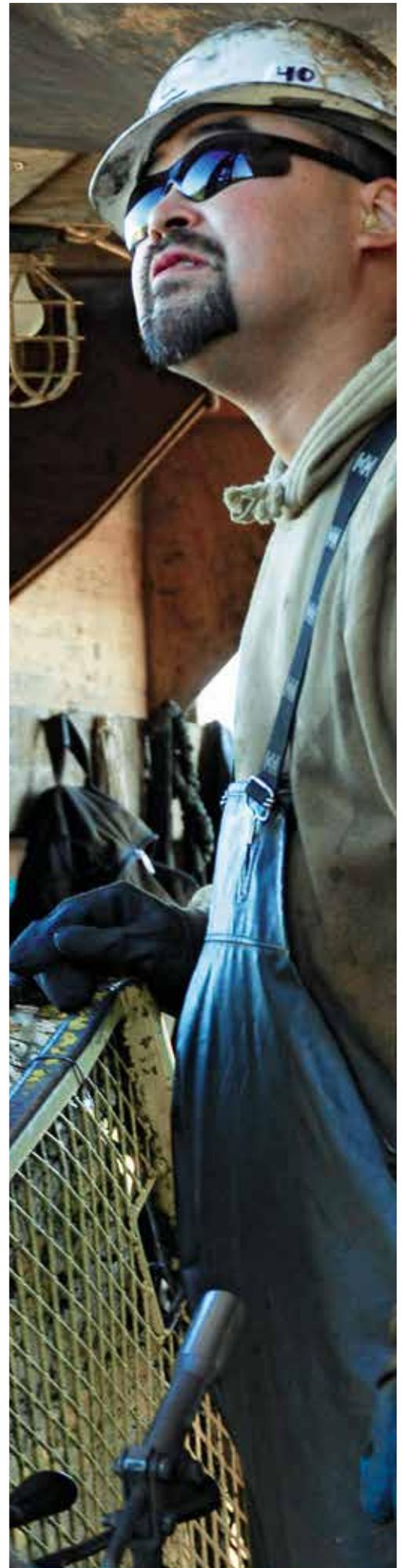
## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED or some previous work-related experience is preferred for this job. Drillers usually need one year of experience, either by working as a Driller Helper with skilled Drillers or in an apprenticeship program.



### EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **APPRENTICESHIP PREFERRED**





# ELECTRICIAN

## ABOUT THIS JOB

Electricians install, maintain and repair electrical wiring, equipment and fixtures. They make sure that all electrical equipment and work is done according to a strict set of codes. They install or service lights, communications systems or a variety of electrical control systems within the mine. An individual seeking this position should have strong mathematic skills, be task oriented, like to work with their hands, be willing to work in a variety of conditions and able to adjust to different project demands.

## ELECTRICIANS PERFORM THE FOLLOWING TASKS:

- Maintain current electrician's license or identification card to meet governmental regulations
- Connect wires to circuit breakers, transformers or other components
- Assemble, install, repair, replace or maintain electrical wiring, equipment, appliances, apparatus or fixtures using hand tools or power tools
- Test electrical systems or continuity of circuits in electrical wiring, equipment or fixtures using devices such as ohmmeters, voltmeters or oscilloscopes to ensure compatibility and safety of systems
- Plan layout of electrical wiring, equipment or fixtures based on job specifications and local codes
- Inspect electrical systems, equipment or components to identify hazards, defects or the need for adjustment or repair, and to ensure compliance with codes

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED in addition to completing a vocational program or an apprenticeship is preferred for this job. Almost all Electricians begin their careers by apprenticing with a Journeyman Electrician for a period that usually lasts four years. During this time, both class work and fieldwork will be completed.



## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **APPRENTICESHIP AND/OR VOCATIONAL CERTIFICATION**

# ENVIRONMENTAL ENGINEER

## ABOUT THIS JOB

Environmental Engineers research, design, plan or perform engineering duties in the prevention, control and remediation of environmental hazards using various engineering and scientific disciplines. Work may include waste treatment, site remediation or pollution control technology. In addition to getting a bachelor's degree in environmental engineering or a related field, an individual seeking this position should be a problem solver, analyzer and be able to work with others toward a common goal.

## ENVIRONMENTAL ENGINEERS PERFORM THE FOLLOWING TASKS:

- Collaborate with other environmental scientists, planners, hazardous waste technicians, engineers and other specialists along with experts in law and business to address environmental concerns
- Inspect facilities or programs to make sure everything is operating effectively and is in compliance with state and federal environmental regulations
- Prepare, review or update environmental investigation reports
- Design or supervise the design of systems, processes or equipment for control, management or remediation of water, air or soil quality
- Obtain, update or maintain state and federal plans, permits or standard operating procedures
- Provide technical support for environmental remediation including remediation system design
- Monitor progress of environmental improvement programs
- Advise the company on procedures to follow in protecting people and the environment
- Inform company employees or other interested parties of environmental issues

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, and a bachelor's degree or higher in environmental sciences or engineering from an accredited college or university program are required for this job.



## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **BACHELOR'S DEGREE**





# ENVIRONMENTAL TECHNICIAN

## ABOUT THIS JOB

Environmental Technicians collect field water, soil and air monitoring data, and apply theory and principles of environmental engineering to modify, test and operate equipment and devices used in the prevention, control and remediation of environmental programs including waste treatment and site remediation. They work under the direction of engineering staff. An individual seeking this career will be able to take and follow directions, be analytical and also be willing to work outdoors in a variety of settings.

## ENVIRONMENTAL TECHNICIANS PERFORM THE FOLLOWING TASKS:

- Perform laboratory work such as logging numerical and visual observations, preparing and packaging samples, recording test results and performing photo documentation
- Maintain project logbook records or computer program files
- Receive, set up, test or decontaminate equipment
- Assist with hazardous materials management
- Inspect facilities to monitor compliance with state and federal regulations
- Make sure all environmental processes are completed safely and correctly
- Produce environmental assessment reports, tabulating data and preparing charts, graphs or sketches

## PREPARATION AND TRAINING FOR THIS POSITION

This job requires a high school diploma or GED, and a bachelor's degree in environmental sciences or a related field, or previous on-the-job training.

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## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **BACHELOR'S DEGREE PREFERRED**



# FACILITY MAINTENANCE WORKER

## ABOUT THIS JOB

Facility Maintenance Workers keep machines, mechanical equipment and/or the structure of buildings in operation. Duties may involve: pipe fitting; boiler maintenance; insulating; welding; machinery; carpentry; repairing electrical or mechanical equipment; installing, aligning and balancing new equipment; and repairing buildings, floors or stairs. An individual seeking this position will be task oriented, like to work with their hands, be willing to work in a variety of conditions and be able to adjust to different project demands.

## FACILITY MAINTENANCE WORKERS PERFORM THE FOLLOWING TASKS:

- Use tools ranging from common hand and power tools, such as hammers, hoists, saws, drills and wrenches, to precision measuring instruments and electronic testing devices
- Perform routine preventive maintenance to ensure machines continue to run smoothly, building systems operate efficiently and the physical condition of buildings does not deteriorate
- Diagnose mechanical problems and determine how to correct them, checking blueprints, repair manuals or parts catalogs as necessary
- Clean or lubricate shafts, bearings, gears or other parts of machinery
- Adjust functional parts of devices or control instruments, using hand tools, levels, plumb bobs or straightedges
- Repair or replace defective equipment parts using hand tools and power tools, and reassemble equipment
- Record type and cost of maintenance or repair work

## PREPARATION AND TRAINING FOR THIS POSITION

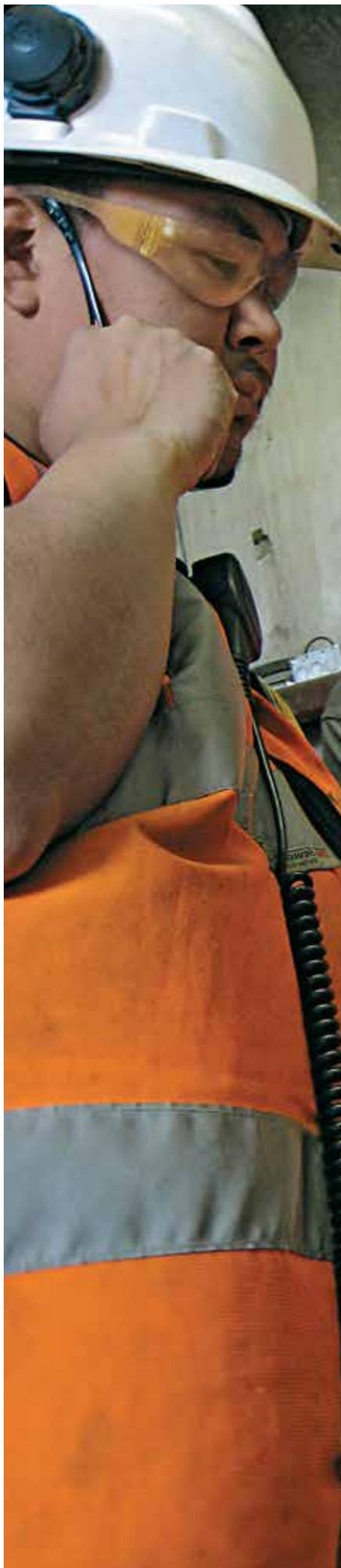
A high school diploma or GED is preferred for this position. Facilities Maintenance Workers should have a vocational certificate in carpentry or facilities maintenance or previous on-the-job experience.

### EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **VOCATIONAL SCHOOL PREFERRED**



# FIREFIGHTER/PARAMEDIC



## ABOUT THIS JOB

Firefighters/Paramedics assess injuries, administer emergency medical care and help with a wide range of emergency medical needs. They are often the first on scene of an accident and are involved in transporting an injured or sick person to a medical facility where they can receive care. An individual seeking this position should be able to control and keep emotions on an even keel, be flexible in thinking, and have empathy for and be supportive of others in a time of need.

## FIREFIGHTERS/PARAMEDICS PERFORM THE FOLLOWING TASKS:

- Administer first aid treatment or life support care to sick or injured persons on site
- Perform emergency diagnostic and treatment procedures such as stomach suction, airway management or heart monitoring during emergency transportation
- Observe, record and report to a physician the patient's condition or injury, the treatment provided and reactions to drugs or treatment
- Immobilize patients for placement on stretcher and emergency transport
- Maintain vehicles, and medical and communication equipment, and replenish first aid equipment and supplies
- Assess the nature and extent of illness or injury to establish and prioritize medical procedures
- Communicate with dispatchers or treatment center personnel to provide information about a situation to arrange reception of victims or to receive instructions for further treatment
- Operate equipment such as electrocardiograms (EKGs), external defibrillators or bag valve mask resuscitators in advanced life support situations
- Train personnel on Emergency Medical Technician (EMT) certifications
- Take a lead role in fire fighting and rescue at the mine site

## PREPARATION AND TRAINING FOR THIS POSITION

Becoming a Firefighter/Paramedic requires a high school diploma or GED. It also requires specialized emergency medical training in vocational schools, related on-the-job experience or an associate's degree.



## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **ASSOCIATE'S DEGREE**
- \* **VOCATIONAL SCHOOL**

# GEOLOGIST

## ABOUT THIS JOB

Geologists play a part in all aspects of mining exploration, discovery, evaluation and production cycles. In exploration, Geologists are responsible for finding new mineral sources that can potentially be mined. Geologists conduct subsurface surveys to identify the characteristics of potential land or mining development sites. Geologists may specify the ground support systems, processes and equipment for safe, economical and environmentally sound extraction. An individual seeking a career in this field should like doing research, compiling information, analyzing and interpreting data, earth science, writing and math. They should also enjoy working in the field, in the office and in laboratory settings.

## GEOLOGISTS PERFORM THE FOLLOWING TASKS:

- Examine maps, deposits, drilling locations or mines to determine the location, size, accessibility, contents, value and potential profitability of deposits
- Select or develop mineral location, extraction and production methods based on factors such as safety, cost and deposit characteristics
- Prepare technical reports for use by miners, engineers and management personnel
- Monitor mine production rates to assess operational effectiveness

## PREPARATION AND TRAINING FOR THIS POSITION

This position requires a high school diploma or GED and a bachelor's degree in geology or geological engineering from an accredited college or university. Some positions may also require a master's degree.

### EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **BACHELOR'S DEGREE**



# HEALTH AND SAFETY COORDINATOR

## ABOUT THIS JOB

Health and Safety Coordinators provide leadership, coaching, training and oversight for all safety and health activities, and programs at the mine. They are able to evaluate and determine whether events or processes comply with Mine Safety and Health Administration (MSHA) safety laws, regulations and standards. An individual seeking a career in this field should be disciplined in implementing and following standards, self-motivated, a good communicator and be able to work with others.

## HEALTH AND SAFETY COORDINATORS PERFORM THE FOLLOWING TASKS:

- Perform workplace inspections
- Investigate incidents and accidents
- Train mining personnel on industrial hygiene and MSHA compliance and on a variety of safety-related topics focusing on prevention
- Perform safety audits and maintain training and compliance records
- Interact with employees and management on an ongoing basis
- Conduct Field Risk Assessments

## PREPARATION AND TRAINING FOR THIS POSITION

This occupation requires a high school diploma or GED. A bachelor's degree in Occupational Safety and Health or a related field is also preferred. Most Health and Safety Coordinators work their way up through another occupation in the mining industry. They previously worked in the field as miners, mechanics, mill operators or engineers, or have a specialized safety background.



## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **BACHELOR'S DEGREE PREFERRED**



# HEAVY EQUIPMENT OPERATOR (OPEN PIT MINER)

## ABOUT THIS JOB

Heavy Equipment Operators (Open Pit Miners) drive a wide range of heavy equipment used in the mining process such as tractor-trailer combinations, loaders, graders, excavators, dozers (up to and including D11), forklifts, mobile cranes, or large capacity shovels or trucks. An individual seeking a career in this field should be willing to work in all climates at irregular hours, enjoy physical activity outdoors and communicate effectively.

## HEAVY EQUIPMENT OPERATORS PERFORM THE FOLLOWING TASKS:

- Check vehicles to ensure that mechanical, safety and emergency equipment is in good working order
- Maneuver trucks into loading or unloading positions following signals from loading crews, and check if vehicle and loading equipment are properly positioned
- Collect delivery instructions from appropriate sources verifying instructions and routes
- Maintain logs of working hours, or of vehicle service or repair status following applicable state and federal regulations
- Report vehicle defects, accidents, traffic violations or damage to the vehicles
- Secure cargo for transport using ropes, blocks, chains, binders or covers
- Drive trucks to weigh stations before and after loading, and along routes to document weights
- Drive trucks with capacities greater than three tons, including tractor-trailer combinations to transport and deliver materials
- Construct and maintain roads
- Inventory and inspect goods to be moved to determine quantities and conditions

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, in addition to a certificate from a vocational school or previous experience operating heavy equipment is required.



### EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **VOCATIONAL SCHOOL PREFERRED**





# HUMAN RESOURCES COORDINATOR

## ABOUT THIS JOB

Human Resources Coordinators plan, direct and coordinate administrative functions. They assist and oversee the recruiting, interviewing and hiring of new staff, and serve as a link between management and employees. An individual seeking a career in this field should exercise discretion and fairness, maintain confidentiality, build professional relationships and is comfortable working at a desk or in the field to assist employees and managers.

## HUMAN RESOURCES COORDINATORS PERFORM THE FOLLOWING TASKS:

- Analyze employment-related data and prepare required reports
- Conduct reference or background checks on job applicants
- Confer with management to develop or implement personnel policies or procedures
- Develop or implement recruiting strategies to meet current or anticipated staffing needs
- Hire employees and process hiring-related paperwork
- Inform job applicants of details such as duties and responsibilities, compensation, benefits, schedules, working conditions or promotion opportunities
- Interpret and explain human resources policies, procedures, laws, standards or regulations
- Address employee-relations issues such as harassment allegations, work complaints or other employee concerns
- Conduct exit interviews and ensure necessary employment termination paperwork is completed

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, and a four-year bachelor's degree in human resources or a related field are preferred.

## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **BACHELOR'S DEGREE PREFERRED**



# INFORMATION TECHNOLOGY SPECIALIST

## ABOUT THIS JOB

Information Technology (IT) Specialists work with computer hardware and software. They analyze science, engineering, business and other data processing problems to implement and improve computer systems. They also analyze user requirements, procedures and problems to improve existing systems, and review computer system capabilities, workflow and scheduling limitations. IT Specialists are good at analyzing, planning and problem solving. They must also be flexible to work irregular hours when technical problems arise and need immediate attention.

## INFORMATION TECHNOLOGY SPECIALISTS PERFORM THE FOLLOWING TASKS:

- Oversee the daily performance of computer systems
- Answer user inquiries regarding computer software or hardware operation to resolve problems
- Set up equipment for employee use, and perform proper installation of cables, operating systems and software
- Install and perform minor repairs to hardware, software or peripheral equipment following design or installation specifications
- Maintain routers, switches and wireless technologies
- Read technical manuals, confer with users or conduct computer diagnostics to investigate and resolve problems or to provide technical assistance and support
- Refer major hardware or software problems and defective products to vendors or technicians for service
- Confer with staff, users and management to establish requirements for new systems or modifications

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, and a four-year college or university degree in computer science and/or certification from a technical program are required.



## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **BACHELOR'S DEGREE AND/OR TECHNICAL PROGRAM**





# MAINTENANCE PLANNER/SCHEDULER

## ABOUT THIS JOB

Maintenance Planners and Schedulers are responsible for ensuring that all planned maintenance activities for mobile and fixed equipment are properly scheduled within the limits of the facilities and resource capacity. They define the parts, materials, crafts and skills, and engage the proper resources to develop a safe, effective and efficient work control plan. In addition, the Planner/Scheduler provides equipment-related expertise and technical guidance on preventive maintenance activities. Maintenance Planners and Schedulers are good organizers and can manage multiple tasks simultaneously. They should also have good communication skills, and be approachable and tactful.

## MAINTENANCE PLANNERS/SCHEDULERS PERFORM THE FOLLOWING TASKS:

- Plan routine daily maintenance and maintenance checks
- Plan scheduled shutdown maintenance
- Update and manage maintenance records and files
- Work closely with the warehouse personnel on purchasing and inventory matters
- Comply with statutory and regulatory requirements

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, and vocational certification or previous experience are required. Most Maintenance Planners/Schedulers have been mechanics for many years and are promoted to this job.

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## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **VOCATIONAL SCHOOL**



# MECHANICS (MILLWRIGHT, HEAVY EQUIPMENT, LIGHT VEHICLE)

## ABOUT THIS JOB

Heavy Equipment and Light Vehicle Mechanics maintain and repair mining equipment. Millwright Mechanics maintain and repair stationary equipment located in a processing plant. A Heavy Equipment Mechanic performs preventative maintenance and repairs on electric shovels, and haul trucks, loaders and other heavy equipment. Mechanics must have the ability to manage time independently with limited supervision, possess good communications skills, and the ability to train and assist others.

## MECHANICS PERFORM THE FOLLOWING TASKS:

- Maintain and repair machinery
- Provide preventative maintenance on vehicles and machinery
- Examine and adjust vehicles' safety features, change oil, check batteries, adjust brakes and grease parts
- Clean or replace parts, pistons, bearings, gears and valves
- Use hand-held computers like motor analyzers, chassis charts and pressure gauges to identify problems and take systems apart to fix them
- Read job orders to learn what work should be done on vehicles
- Listen to the sound of engines to identify problems
- Follow factory guidelines for upgrading parts or tuning engines
- Install parts and identify how they fit within the engine

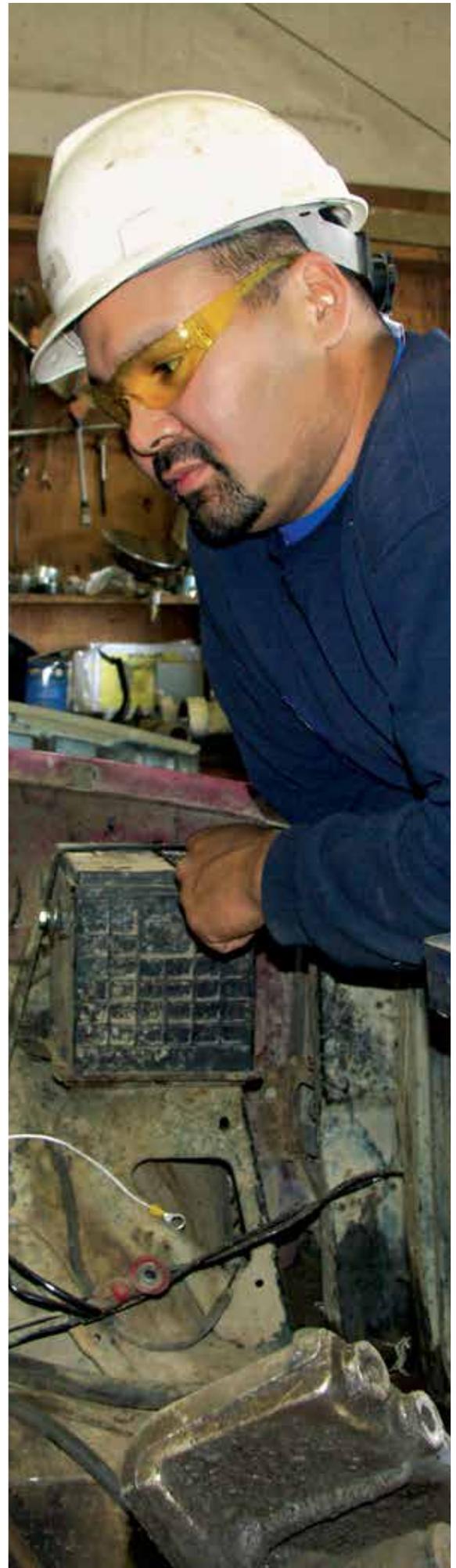
## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, and a two-year technical degree or occupational endorsement are preferred. Previous on-the-job training or an apprenticeship program is also beneficial.



## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **VOCATIONAL SCHOOL PREFERRED**
- \* **APPRENTICESHIP PREFERRED**





# METALLURGIST

## ABOUT THIS JOB

Metallurgists extract and refine valuable minerals from raw ore using sophisticated processes and new technologies. They also work to protect and restore the environment and monitor processing in the mill to maintain or increase production. Metallurgists keep records of the production in daily, monthly and yearly reports. Metallurgists should enjoy solving problems and have aptitude in science and mathematics. They should be able to get along with other people and effectively communicate their ideas to others.

## METALLURGISTS PERFORM THE FOLLOWING TASKS:

- Plan, organize and supervise the extraction of metallic or non-metallic minerals from the ore
- Monitor the flow of material through the mill
- Monitor and control the addition of chemical substances to make sure the highest amount of mineral is extracted from the ore
- Analyze data and report statistics of the processing department

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, and a bachelor's degree in metallurgical, chemical or related engineering are required from an accredited college or university.



## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **BACHELOR'S DEGREE**

# MILL OPERATOR

## ABOUT THIS JOB

Mill Operators are responsible for operating all areas of the mill with minimal supervision to ensure maximum throughput and recovery while maintaining the lowest practical level of consumable material usage. Mill Operators will operate gyratory, standard and short-head crushers, feeders, pumps, screening plants and conveyors as well as dust control systems. They operate dozers and related heavy equipment. Mill Operators should be detail-oriented people, able to analyze data and draw valid conclusions, complete tasks independently and work well with other staff.

## MILL OPERATORS PERFORM THE FOLLOWING TASKS:

- Operate milling equipment such as crushers, gyratory, standard and short-head crushers, screening plants, conveyors, dust control systems, heavy equipment and mill circuits including primary grinding and thickening, reagent makeup, and flotation, leaching and wash circuits
- Observe and listen to equipment operation to detect binding or stoppage of tools or other equipment malfunctions
- Repair, oil and adjust machines and change cutting teeth using wrenches

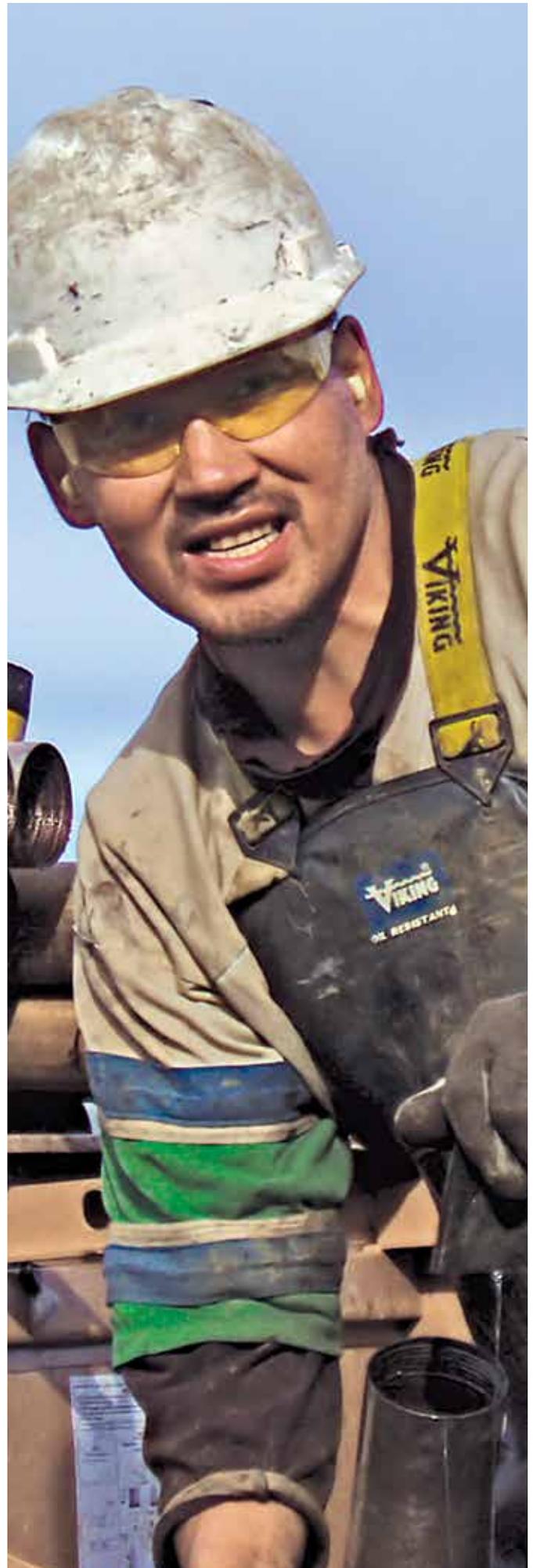
## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, and previous experience working in an industrial environment are beneficial. Specialized on-the-job training or vocational certification is preferred.



### EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **VOCATIONAL SCHOOL PREFERRED**



# MINE OPERATIONS SUPERVISOR, MANAGER AND SUPERINTENDENT

## ABOUT THIS JOB

Mine Operations Supervisors, Managers and Superintendents directly supervise and coordinate all activities of mine workers. Qualified candidates for these positions have direct leadership experience, extensive experience managing employees, know how to develop and implement ideas, and are committed to supporting employees in their professional development. In addition, there will be managers or supervisors in every department at the mine (Administration, Community Relations, Engineering, Environmental, Geology, Health and Safety, Human Resources, Maintenance, Mill Operations and Surface Operations).

## MINE OPERATIONS SUPERVISORS, MANAGERS AND SUPERINTENDENTS PERFORM THE FOLLOWING TASKS:

- Examine and inspect work progress, equipment and mine sites to verify safety and ensure specifications are met
- Read specifications, such as blueprints, to determine requirements or plan procedures
- Estimate material or worker requirements to complete jobs
- Supervise, coordinate or schedule the activities of mine workers
- Confer with managerial or technical personnel, and other departments or contractors to resolve problems or to coordinate activities
- Coordinate work activities with other project activities
- Order or requisition materials or supplies
- Locate, measure and mark site locations or placement of structures or equipment
- Record information such as personnel, production or operational data on specified forms or reports
- Assign work to employees based on material or requirements of specific jobs
- Write reports and provide information to managers at other locations within the company

## PREPARATION AND TRAINING FOR THIS POSITION

The minimum requirements for supervisor positions are a high school diploma or GED, however, most supervisors have technical training in vocational schools and extensive on-the-job experience. Many also hold bachelor's degrees in a related field. Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership techniques, production methods, safety, and coordination of people and resources are required.



## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **BACHELOR'S DEGREE**



# MINING ENGINEER

## ABOUT THIS JOB

Mining Engineers help plan, design and build new mines. They manage and control the activities of existing mines. Engineers are responsible for designing, implementing and coordinating all aspects of mine development and safety. They also can design, implement and monitor the development of mine facilities, systems or equipment. Mining Engineers have an extensive understanding of open pit mining, milling and maintenance operations. They should be able to provide leadership and direction to other employees, analyze data and prepare written reports that are easily understood by others, and enjoy computers, math and science.

## MINING ENGINEERS PERFORM THE FOLLOWING TASKS:

- Inspect mining areas for unsafe structures, equipment and working conditions
- Examine maps, deposits, drilling locations or mines to determine the location, size, accessibility, contents, value and potential profitability of mineral deposits
- Select or develop mineral location, extraction and production methods based on factors such as safety, cost and deposit characteristics
- Prepare technical reports for use by mining, engineering and management personnel
- Monitor mine production rates to assess operational effectiveness
- Prepare schedules, reports and estimates of the costs involved in developing and operating mines
- Layout, direct and supervise mine construction operations

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, and a bachelor's degree in mining or geological engineering from an accredited college or university are required for this job. Some positions may also require an advanced degree.

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## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **BACHELOR'S DEGREE**





# PHYSICIAN ASSISTANT

## ABOUT THIS JOB

Physician Assistants work under the supervision of a physician to examine patients, diagnose illnesses and injuries, and provide treatment. They may, in some cases, prescribe medication. In rural areas, physician assistants may be the primary care providers at clinics where a physician is present only a few days per week. Physician Assistants spend much of their time on their feet, make imperative decisions, want to be helpful, and have the ability to interact with people in sensitive circumstances.

## PHYSICIAN ASSISTANTS PERFORM THE FOLLOWING TASKS:

- Examine patients to obtain information about their physical condition
- Interpret diagnostic test results for deviations from normal
- Obtain, compile and record patient medical data, including health history, progress notes and results of physical examination
- Make tentative diagnoses and decisions about management and treatment of patients
- Prescribe therapy or medication with physician approval
- Administer or order diagnostic tests such as x-ray, electrocardiogram and laboratory tests
- Perform therapeutic procedures such as injections, immunizations, suturing and wound care, and infection management
- Instruct and counsel patients about prescribed therapeutic regimens, normal growth and development, family planning, emotional problems of daily living and health maintenance

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, a bachelor's degree and two years of specialized training in health sciences are required for this job.



## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **BACHELOR'S DEGREE**

# PURCHASING AGENT

## ABOUT THIS JOB

Purchasing Agents buy mining machinery, equipment, tools, parts, supplies or services necessary for the operation of the mine. A Purchasing Agent is organized, good at planning and able to manage multiple tasks simultaneously.

## PURCHASING AGENTS PERFORM THE FOLLOWING TASKS:

- Prepare purchase orders, solicit bid proposals and review requisitions for goods and services
- Interview vendors and visit suppliers' plants and distribution centers to learn about products, services and prices
- Research and evaluate suppliers based on price, quality, selection, service and service reputation, support, availability, reliability and production and distribution capabilities
- Confer with staff, users and vendors to discuss defective or unacceptable goods or services and determine corrective action
- Evaluate and monitor contract performance to ensure compliance with contractual obligations and to determine need for changes
- Maintain and review computerized or manual records of items purchased, costs, deliveries, product performance and inventories
- Arrange the payment of duty and freight charges
- Analyze price proposals, financial reports and other data and information to determine reasonable prices

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, and a bachelor's degree from a college or university is required, however, on-the-job experience may substitute for a degree.



### EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **BACHELOR'S DEGREE PREFERRED**



# SECURITY GUARD



## ABOUT THIS JOB

Security Guards patrol, guard and monitor job sites in order to provide safety and prevent theft, violence or infractions of rules. Some Security Guards may operate x-ray and metal detector equipment. Security Guards are observant, responsive, disciplined and committed to safety and maintaining order in the workplace.

## SECURITY GUARDS PERFORM THE FOLLOWING TASKS:

- Monitor and authorize entrance and departure of employees, visitors and other persons to guard against theft and maintain security of premises
- Write reports of daily activities and irregularities such as equipment or property damage, theft, presence of unauthorized persons or unusual occurrences
- Answer alarms and investigate disturbances
- Circulate among visitors, patrons or employees to preserve order and protect property
- Patrol premises to prevent and detect signs of intrusion and ensure security of doors, windows and gates
- Escort or drive motor vehicles to transport individuals to specified locations or to provide personal protection
- Operate detecting devices to screen individuals and prevent passage of prohibited articles into restricted areas
- Answer telephone calls to take messages, answer questions and provide information during non-business hours
- Warn persons of rule infractions or violations and apprehend or evict violators from premises using force when necessary
- Dispatch emergency response system

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED and previous experience in the security field are preferred. Some on-the-job training is required. You must pass a criminal background check to be a security guard.



## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **PREVIOUS ON-THE-JOB EXPERIENCE**

# SURVEYOR

## ABOUT THIS JOB

Surveyors adjust and operate surveying instruments, such as the theodolite and electronic distance-measuring equipment. They provide information to personnel on a mine site that may include the locations of ore and waste, buildings and related land locations. They also compile notes, make sketches and enter data into computers. Surveyors typically like to conduct research and analyze information as well as work out in the field.

## SURVEYORS PERFORM THE FOLLOWING TASKS:

- Adjust and operate surveying instruments such as prisms, theodolites and electronic distance-measuring equipment
- Perform calculations to determine earth curvature corrections, atmospheric impacts on measurements, traverse closures and adjustments, azimuths, level runs and placement of markers
- Record survey measurements and descriptive data using notes, drawings, sketches and inked tracings
- Search for section corners, property irons and survey points
- Position and hold the vertical rods or targets theodolite operators use for sighting to measure angles, distances and elevations
- Layout grids and determine horizontal and vertical controls
- Compare survey computations with applicable standards to determine adequacy of data
- Set out and recover stakes, marks and other markers
- Direct and supervise work of other members of surveying parties
- Conduct surveys to ascertain the locations of natural features and man-made structures on the Earth's surface, underground and underwater using electronic distance-measuring equipment and other surveying instruments

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, and certification from a technical training program, or a college or university degree are required for this job.



### EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **BACHELOR'S DEGREE PREFERRED**
- \* **VOCATIONAL SCHOOL**





# WAREHOUSE TECHNICIAN

## ABOUT THIS JOB

Warehouse Technicians receive, store and issue materials, equipment and other items from stockrooms, warehouses or storage yards. They also monitor fuel delivery and inventory. They are responsible for keeping good records and compiling reports, and making sure warehouse contents are kept in good order. Warehouse Technicians work mostly on their feet, can perform multiple tasks simultaneously and are very organized.

## WAREHOUSE TECHNICIANS PERFORM THE FOLLOWING TASKS:

- Receive and count stock items, and record data manually or using a computer
- Pack and unpack items to be stocked on shelves in stockrooms, warehouses or storage yards
- Verify inventory computations by comparing them to physical counts of stock, and investigate discrepancies or adjust errors
- Store items in an orderly and accessible manner in warehouses, tool rooms, supply rooms or other areas
- Mark stock items using identification tags, stamps, electric marking tools or other labeling equipment
- Clean and maintain supplies, tools, equipment and storage areas in order to ensure compliance with safety regulations
- Determine proper storage methods, identification and stock location based on turnover, environmental factors and physical capabilities of facilities
- Keep records on the use and/or damage of stock or stock handling equipment
- Examine and inspect stock items for wear or defects reporting any damage to supervisors

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, and on-the-job experience or previous work experience are required for this position.



## EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **PREVIOUS ON-THE-JOB EXPERIENCE**

# WATER TREATMENT PLANT OPERATOR

## ABOUT THIS JOB

Water Treatment Plant Operators control an entire process or system of machines, often through the use of control boards, to transfer or treat water or wastewater. Water Treatment Plant Operators like to collect and analyze data, understand chemical components and can conduct a variety of tasks throughout the day (often on their feet).

## WATER TREATMENT PLANT OPERATORS PERFORM THE FOLLOWING TASKS:

- Add chemicals such as ammonia, chlorine or lime to disinfect and deodorize water and other liquids
- Inspect equipment or monitor operating conditions, meters and gauges to determine load requirements and detect malfunctions
- Collect and test water and waste water samples, using test equipment and color analysis standards
- Record operational data, personnel attendance or meter and gauge readings on specified forms
- Operate and adjust controls on equipment to manage water and waste water
- Maintain, repair and lubricate equipment using hand tools and power tools
- Clean and maintain tanks, filter beds and other work areas using hand tools and power tools

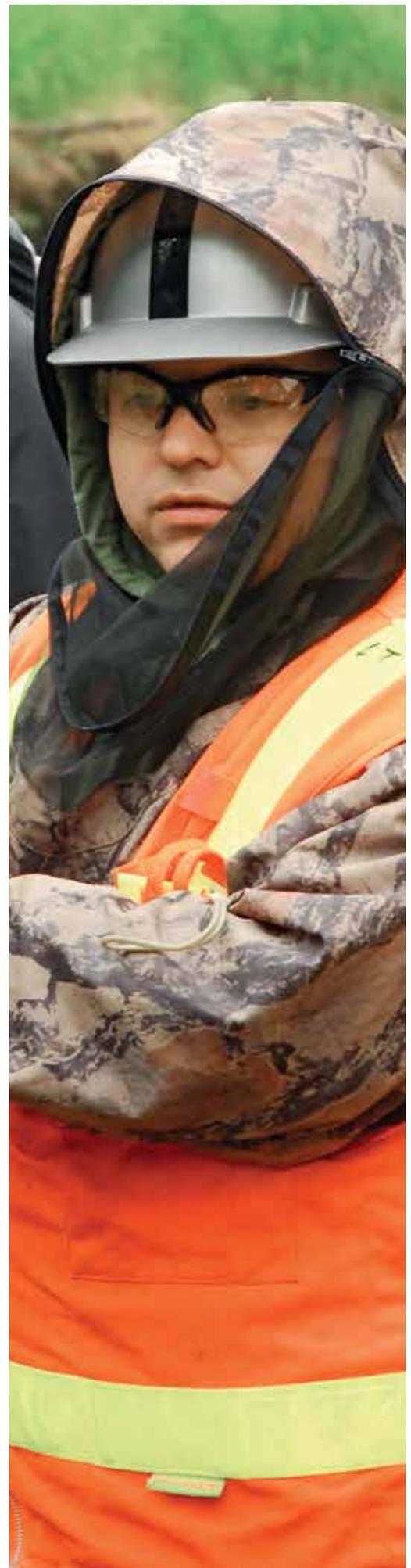
## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, and related on-the-job experience, or an associate's degree and special certification are preferred.

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### EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **ASSOCIATE'S DEGREE PREFERRED**
- \* **SPECIAL CERTIFICATION PREFERRED**



# WELDER

## ABOUT THIS JOB

Welders use hand-welding, flame-cutting, hand soldering or brazing equipment to weld metal components or to fill holes, indentations or seams of fabricated metal products. Welders typically like to work with their hands, enjoy examining materials and may operate heavy equipment.

## WELDERS PERFORM THE FOLLOWING TASKS:

- Weld components in flat, vertical or overhead positions
- Ignite torches or start power supplies and strike arcs by touching electrodes to metals being welded, completing electrical circuits
- Clamp, hold, tack-weld, heat-bend, grind or bolt component parts to obtain required configurations and positions for welding
- Detect faulty operation of equipment or defective materials and notify supervisors
- Operate manual or semi-automatic welding equipment to fuse metal segments, using processes such as gas tungsten arc, gas metal arc, flux-cored arc, plasma arc, shielded metal arc, resistance welding and submerged arc welding
- Monitor the fitting, burning and welding processes to avoid overheating of parts or warping, shrinking, distortion or expansion of material
- Examine work pieces for defects and measure work pieces with straightedges or templates to ensure conformance with specifications
- Recognize, set up, and operate hand and power tools common to the welding trade such as shielded metal arc and gas metal arc welding equipment
- Layout, position, align and secure parts prior to assembly using straightedges, combination squares, calipers and rulers

## PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED, and vocational training and certification in welding are required. Completion of a licensed apprenticeship program is preferred.



### EDUCATION:

- \* **HIGH SCHOOL DIPLOMA OR GED**
- \* **VOCATIONAL SCHOOL**
- \* **APPRENTICESHIP PREFERRED**
- \* **SPECIAL CERTIFICATION**



# PART THREE:

## PREPARATION AND TRAINING RESOURCES

The training programs, colleges, universities, unions and apprenticeship programs listed in this section offer a variety of courses, certifications, degrees and on-the-job training programs relevant to jobs listed in this publication. This list is meant to be as comprehensive as possible, but there may be programs available that are not listed here.

Please call, email or visit the individual websites listed to find out more information about what courses, training and certifications are offered at each location.

Start now to prepare yourself for future employment in the mining industry. College and vocational assistance is available to students through a variety of organizations; federal, state, university/college and private.

- Be sure to fill out your FAFSA (Free Application for Federal Student Aid) at [www.studentaid.ed.gov](http://www.studentaid.ed.gov) to be eligible for federal assistance.
- Enroll in the Alaska Career Information System through your school at [www.akcis.org](http://www.akcis.org) for help with education and career planning, and to find resources to help fund your continuing education.

Assistance is available in a variety of formats including loans, grants, scholarships or deferment, and eligibility requirements vary greatly between each. Donlin Gold currently helps fund:

- Calista Heritage Foundation [www.calistaheritage.org](http://www.calistaheritage.org)
- Kuskokwim Education Foundation [www.kuskokwim.com/content/educational-foundation](http://www.kuskokwim.com/content/educational-foundation)



# TECHNICAL AND VOCATIONAL INSTITUTES AND TRAINING CENTERS

## ALASKA CAREER COLLEGE

1415 East Tudor Road  
Anchorage, AK 99507-1033  
Telephone: 907-563-7575 (main) or 800-770-7575  
Fax: 907-563-8330  
Email: [careers@alaskacareercollege.edu](mailto:careers@alaskacareercollege.edu)  
[www.alaskacareercollege.edu](http://www.alaskacareercollege.edu)

*\*Aircraft Dispatcher \*Business Administration  
\*Computer Technology \*Medical Assistant*

## ALASKA CONSTRUCTION ACADEMIES

8005 Schoon Street  
Anchorage, AK 99518  
Telephone: 907-770-1826  
Fax: 907-562-6118  
Email: [info@alaksaca.org](mailto:info@alaksaca.org)  
[www.alaskaca.org](http://www.alaskaca.org)  
Academies are located throughout the state. Check website for more information.

*\*Building Maintenance/Repairer \*Carpenter  
\*Construction Driver \*Electrician \*Operating Engineer  
\*Pipeline Construction \*Plumber and Pipefitter  
\*Rural Apprenticeship \*Surveyor \*Welder*

## ALASKA JOB CORPS CENTER – PALMER

800 E. Lynn Martin Dr.  
Palmer, AK 99645  
Telephone: 907-861-8800 or 800-733-5627  
Email: [admissions@alaskajobcorps.com](mailto:admissions@alaskajobcorps.com)  
[www.alaskajobcorps.com](http://www.alaskajobcorps.com)

*\*Carpentry \*Culinary/Cooking \*Electrician (pre-apprenticeship) \*Facilities Maintenance \*GED/High School Diploma \*Heavy Equipment \*IT Technician  
\*Office Assistants \*Water/Wastewater Operator*

## ALASKA PROCESS INDUSTRY CAREERS CONSORTIUM (APICC)

2600 Cordova, Suite 105  
Anchorage, AK 99503  
Telephone: 907-770-5250  
Fax: 907-770-5251  
<http://www.apicc.org>

*\*Mining Career Information Resources*

## ALASKA TECHNICAL CENTER

Box 51  
Kotzebue, AK 99752  
Telephone: 907-442-3733 (main) or 800-478-3733  
Fax: 907-442-2764  
[www.nwarctic.org/atc](http://www.nwarctic.org/atc)

*\*Accounting Clerk \*Administrative Assistant  
\*Core Driller \*Mine Maintenance*

## ALASKA VOCATIONAL TECHNICAL CENTER (AVTEC)

P.O. Box 889  
Seward, AK 99664  
Telephone: 907-224-3322 (admissions)  
or 800-478-5389  
Fax: 907-224-4400  
Email: [admissions@avtec.edu](mailto:admissions@avtec.edu)  
<http://avtec.labor.state.ak.us>

*\*Cooking/Baking \*Welding \*Diesel/Heavy Equipment Technologies \*Accounting Specialist \*Administrative Assistant  
\*Facilities Maintenance Construction \*Industrial Electrician (pre-apprenticeship) \*Information Technology (IT) \*Plumbing and Heating Technician (pre-apprenticeship) \*Power Plant Operator*

## ALASKA WORKS PARTNERSHIP INC.

### ANCHORAGE OFFICE

1413 Hyder Street  
Anchorage, AK 99501  
Telephone: 907-569-4711 or 1-866-297-9566  
Fax: 907-569-4716  
[www.akwp.org](http://www.akwp.org)

*\*Can help you connect with training and apprenticeship opportunities in construction.*

### FAIRBANKS OFFICE

P.O. Box 74313  
3600 Cartwright Court  
Fairbanks, AK 99707  
Telephone: 907-457-2597  
Fax: 907-457-2591

### HELMETS TO HARDHATS PROGRAM

Telephone: 907-790-8883 or 866-993-8181

### PIPELINE TRAINING PROGRAM

Telephone: 907-457-2597

## **CENTER FOR EMPLOYMENT EDUCATION**

520 East 34th Avenue, Suite 201  
Anchorage, AK 99503  
Telephone: 907-279-8451  
Fax: 907-279-6088  
Email: [cee@acsalaska.net](mailto:cee@acsalaska.net)  
[www.cee-ak.com](http://www.cee-ak.com)

*\*Hazardous Materials Certifications \*Construction Trades \*Mine Safety Courses \*OSHA Certifications*

## **DELTA CAREER ADVANCEMENT CENTER PARTNERS FOR PROGRESS IN DELTA, INC.**

P.O. Box 956  
Delta Junction, AK 99737  
Telephone: 907-895-4605  
Fax: 907-895-4629  
Email: [sce@wildak.net](mailto:sce@wildak.net)  
[www.partnersforprogressindelta.org](http://www.partnersforprogressindelta.org)

*\*Construction Trades \*Heavy Equipment Operation \*Mine Safety Courses \*OSHA Certifications \*Welding*

## **ENVIRONMENTAL MANAGEMENT INCORPORATED**

206 East Fireweed Lane, Suite 201  
Anchorage, AK 99503  
Telephone: 907-272-8852 or 800-458-2580  
Fax: 907-272-0319  
Email: [training@emi-alaska.com](mailto:training@emi-alaska.com)  
[www.emi-alaska.com](http://www.emi-alaska.com)

*\*Hazardous Waste (HAZWOPER) Certifications \*OSHA Certifications*

## **NEW FRONTIER VOCATIONAL TECHNICAL CENTER**

43335 K-Beach Road, Suite 14  
Soldotna, AK 99669  
Telephone: 907-262-9055  
Fax: 907-262-7144  
Email: [nfvtc@aecak.org](mailto:nfvtc@aecak.org)  
[www.nfvtc.org](http://www.nfvtc.org)

*\*Accounting Clerk \*Administrative Assistant \*Microsoft Office Training*

## **NORTHERN INDUSTRIAL TRAINING**

1740 North Terrilou Court  
Palmer, AK 99645  
Telephone: 907-357-6400 or 888-367-6482  
Fax: 907-357-6430  
Email: [info@nitalaska.com](mailto:info@nitalaska.com)  
[www.nitalaska.com](http://www.nitalaska.com)

*\*Hazardous Materials Certifications \*Heavy Equipment \*Mine Safety Training Programs \*OSHA Certifications \*Pipefitting \*Welding*

## **NORTHWEST TECHNICAL SERVICES**

4401 Business Park, Building N, Suite 26  
Anchorage, AK 99503  
Telephone: 907-562-1633  
Fax: 907-562-5875  
Email: [nwtstraining@ak.net](mailto:nwtstraining@ak.net)  
[www.nwts-ak.com](http://www.nwts-ak.com)

*\*Recruiting firm providing job resources in the engineering, aviation and maritime fields.*

## **SOUTHEAST ALASKA REGIONAL RESOURCE CENTER AND THE LEARNING CONNECTION**

210 Ferry Way  
Juneau, AK 99801  
Telephone: 907-586-6806  
Fax: 907-463-3811  
Email: [info@serrc.org](mailto:info@serrc.org)  
[www.serrc.org](http://www.serrc.org)

*\*Job shadowing for high school students.*

## **YUUT ELITNAURVIAT – PEOPLE'S LEARNING CENTER**

610 Akiachak Street  
P.O. Box 869  
Bethel, AK 99559  
Telephone: 907-543-0999  
Fax: 907-543-0998  
Email: [josborne@yuut.org](mailto:josborne@yuut.org)  
[www.yuut.org](http://www.yuut.org)

*\*High School GED Certification \*Carpentry \*Construction Safety Courses \*Plumbing*

# COLLEGES AND UNIVERSITIES

## ALASKA PACIFIC UNIVERSITY

4101 University Drive  
Anchorage, AK 99508  
Telephone: 907-564-8248 or 800-252-7528  
Fax: 907-564-8317  
Email: [admissions@alaskapacific.edu](mailto:admissions@alaskapacific.edu)  
[www.alaskapacific.edu](http://www.alaskapacific.edu)

*\*Bachelor's Degrees \*Master's Degrees \*Accounting  
\*Business Administration \*Communications  
\*Environmental Sciences \*Information Technology*

## CHARTER COLLEGE

2221 E. Northern Lights Boulevard, Suite 120  
Anchorage, AK 99508  
Telephone: 907-277-1000  
Fax: 855-399-0330  
Email: [contact@chartercollege.edu](mailto:contact@chartercollege.edu)  
[www.chartercollege.edu](http://www.chartercollege.edu)

*\*Bachelor's Degrees \*Accounting \*Business  
Administration \*Construction Management \*Information  
Technology \*Medical Assistant \*Welding*

## UNIVERSITY OF ALASKA

The following programs, degrees and certifications relevant to the Donlin Gold project are available at various University of Alaska campuses. Please check the course catalog of each campus to determine what programs are specifically available at that campus.

*\*Associate's Degrees \*Bachelor's Degrees \*Master's Degrees*

*\*Accounting \*Architectural and Engineering Technology \*Automotive and Diesel Technology \*Aviation Technology  
\*Business Administration \*Chemistry \*Civil Engineering \*Communications \*Construction Management \*Construction  
Technology \*Culinary Arts \*Electrical Engineering \*Environmental Sciences \*Fire and Emergency Services  
Technology \*Geology \*Geomatics \*Heavy Duty Transportation and Equipment \*Industrial Safety \*Information  
Technology \*Logistics \*Mechanical Engineering \*Mechanical Technology \*Occupational Health and Safety  
\*Paramedical Technology \*Petroleum Technology \*Physician Assistant \*Process Technology \*Welding*

## UNIVERSITY OF ALASKA ANCHORAGE

3211 Providence Drive  
Anchorage, AK 99508  
Telephone: 907-786-1800  
Fax: 907-786-4888  
Email: [enroll@uaa.alaska.edu](mailto:enroll@uaa.alaska.edu)  
[www.uaa.alaska.edu](http://www.uaa.alaska.edu)

## UNIVERSITY OF ALASKA FAIRBANKS

P.O. Box 757500  
505 South Chandalar Drive  
Fairbanks, AK 99775  
Telephone: 907-474-7211  
Fax: 907-474-5379  
Email: [admissions@uaf.edu](mailto:admissions@uaf.edu)  
[www.uaf.edu](http://www.uaf.edu)

## UNIVERSITY OF ALASKA SOUTHEAST

11120 Glacier Highway  
Juneau, AK 99801  
Telephone: 907-796-6000 or 877-465-4827  
Telephone: 907-796-6000  
Fax: 907-796-6365  
Email: [uas.info@uas.alaska.edu](mailto:uas.info@uas.alaska.edu)  
[www.uas.alaska.edu](http://www.uas.alaska.edu)

## KENAI RIVER CAMPUS, KENAI PENINSULA COLLEGE/UAA

156 College Road  
Soldotna, AK 99669  
Telephone: 907-262-0330  
Fax: 907-262-0322  
Email: [iyinfo@kpc.alaska.edu](mailto:iyinfo@kpc.alaska.edu)  
[www.kpc.alaska.edu](http://www.kpc.alaska.edu)

## WAYLAND BAPTIST UNIVERSITY

Anchorage Campus  
7801 East 32nd Avenue  
Anchorage, AK 99504  
Telephone: 907-333-2277  
Fax: 907-337-8122  
Email: alaska@wbu.edu  
www.wbu.edu/colleges-in-anchorage

*\*Associate's Degrees \*Bachelor's Degrees \*Business Administration*

## WAYLAND BAPTIST UNIVERSITY - FAIRBANKS CAMPUS

2623 Wabash Avenue., Suite 109  
Eielson AFB, AK 99702-1715  
Telephone: 800-588-1928  
806-291-1000 – Wayland  
806-291-3500 – Admissions  
Email: admityou@wbu.edu

## TWO-YEAR COLLEGES AND UNIVERSITY PROGRAMS

### UNIVERSITY OF ALASKA

Many programs, degrees and certifications relevant to the Donlin Gold project are available at various University of Alaska campuses. Please check the course catalog of each campus to determine what programs are available at that campus.

#### BRISTOL BAY CAMPUS/UAF

Main Dillingham Campus  
527 Seward Street  
P. O. Box 1070  
Dillingham, AK 99576  
907-842-5109  
907-842-5692 fax  
Email: bbcinfo@uaf.edu  
www.uaf.edu/bbc

#### CHUKCHI CAMPUS/UAF

604 3rd Avenue  
P.O. Box 297  
Kotzebue, AK 99752  
Telephone: 1-800-478-3402  
Fax: 907-442-2322  
Email: admissions@uaf.edu  
www.uaf.edu/chukchi

#### INTERIOR-ALEUTIANS CAMPUS/UAF

4280 Geist Road  
P.O. Box 756720  
Fairbanks, AK 99775-6720  
Telephone: 907-474-5439 (main) or 888-474-5207  
Fax: 907-474-5208  
Email: uaf-iacinfo@alaska.edu  
www.uaf.edu/iac

#### KACHEMAK BAY CAMPUS, KENAI PENINSULA COLLEGE/UAA

533 East Pioneer Avenue  
Homer, AK 99603  
Telephone: 907-235-7743 or 877-262-0330  
Email: iykbc1@kpc.alaska.edu  
www.kpc.alaska.edu/KBC

#### KETCHIKAN CAMPUS/UAS

2600 7th Avenue  
Ketchikan, AK 99901-5798  
Telephone: 907-228-4508 (main) or 888-550-6177  
Fax: 907-225-3624  
Email: ketch.info@uas.alaska.edu  
www.ketch.alaska.edu

#### KODIAK COLLEGE/UAA

117 Benny Benson Drive  
Kodiak, AK 99615  
Telephone: 907-486-4161 (main) or 800-486-7660  
Fax: 907-486-1264  
www.koc.alaska.edu

#### KUSKOKWIM CAMPUS/UAF

201 Akiak Drive  
P.O. Box 368  
Bethel, AK 99559  
Telephone: 907-543-4500 (main) or 800-478-5822  
Fax: 907-543-4527  
www.bethel.uaf.edu

## MATANUSKA-SUSITNA COLLEGE/UAA

8295 East College Drive  
P.O. Box 2889  
Palmer, AK 99645  
Telephone: 907-745-9774 (main) or 907-745-9746  
(admissions)  
Fax: 907-745-9711  
Email: info@matsu.alaska.edu  
www.matsu.alaska.edu

## MINING AND PETROLEUM TRAINING SERVICE (MAPTS – UAA)

162 College Road, MAPTS Bldg  
Soldotna, AK 99669  
Telephone: 907-262-2788 Soldotna  
Fax: 907-262-2812 – Soldotna  
Telephone: 907-786-6413 Anchorage  
Fax: 907-786-6414 – Anchorage  
Email: mapts@alaska.net  
www.alaska.net/~mapts

MAPTS Classes are given at the following locations:

### **KENAI/SOLDOTNA**

Kenai River Campus - 162 College Road

### **ANCHORAGE**

University Center - 3901 Old Seward Highway

### **JUNEAU**

UAS Tech Center - 1415 Harbor Highway

### **NOME**

110 Front Street - Old Federal Building, Suite 112

### **FAIRBANKS**

DEC Classes at Pioneer Park, Blue Room

## **ILISAGVIK COLLEGE**

100 Stevenson Street  
P.O. Box 749  
Barrow, AK 99723  
Telephone: 907-852-3333 or 800-478-7337  
Fax: 907.852.2729  
www.ilisagvik.cc

*\*Carpentry \*CDL Test Preparation \*Chemistry  
\*Construction \*Electrical \*First Aid \*HAZWOPER  
\*Human Resources \*Information Technology  
\*Microsoft Office Training \*Plumbing \*Welding*

## MSHA CLASSES AT UAF CTC BUILDING:

604 Barnette - Room 303  
Northwest Campus/UAF  
400 East Front Street  
P.O. Box 400  
Nome, AK 99762  
Telephone: 907-443-2201 (main) or 800-478-2202  
Fax: 907-443-5602  
Email: nwc.info@alaska.edu  
www.nwc.uaf.edu

## SITKA CAMPUS/UAS

1332 Seward Avenue  
Sitka, AK 99835  
Telephone: 907-747-7700 (main) or 800-478-6653  
Fax: 907-747-7768  
Email: student.info@uas.alaska.edu  
www.uas.alaska.edu/sitka

## UAF COMMUNITY AND TECHNICAL COLLEGE

604 Barnette Street  
Fairbanks, AK 99701  
Telephone: 907-455-2800  
Fax: 907-455-2828  
www.tvc.uaf.edu

## **PRINCE WILLIAM SOUND COMMUNITY COLLEGE**

303 Lowe Street  
P.O. Box 97  
Valdez, AK 99686  
Telephone: 907-834-1600 (main) or 800-478-8800  
Fax: 907-834-1691  
Email: StudentServices@pwsc.edu  
www.pwsc.edu

*\*Business Administration \*Fisheries Technology  
\*Millwright \*Oil Spill Response \*Safety Management*

# APPRENTICESHIP PROGRAMS IN ALASKA

## ALASKA JOINT ELECTRICAL APPRENTICESHIP & TRAINING TRUST

5800 B. Street  
Anchorage, AK 99518  
Telephone: 907-337-9508  
Fax: 907-337-9500  
Email: [office@ajeatt.org](mailto:office@ajeatt.org)  
[www.ajeatt.org](http://www.ajeatt.org)

## KORNFEIND TRAINING CENTER

4782 Dale Road  
P.O. Box 60134  
Fairbanks, AK 99709  
Telephone: 907-479-4449 or 800-479-4495  
Fax: 907-479-0425

## ALASKA OPERATING ENGINEERS APPRENTICESHIP TRAINING

5400 Cunningham Road  
P.O. Box 0989  
Palmer, AK 99645  
Telephone: 907-746-3117  
Fax: 907-745-6136  
Email: [training@aoeett.org](mailto:training@aoeett.org)  
[www.aoeett.org](http://www.aoeett.org)

## FAIRBANKS OFFICE

3002 Lathrop Street  
Fairbanks, AK 99701  
Telephone - 907-456-5421  
Fax: 907-451-6098

## JUNEAU OFFICE

9309 Glacier Hwy, Building A, Suite 102B  
Juneau, AK 99801  
Telephone: 800-478-9551 (toll free)  
Fax 907-463-5464

## ALASKA TEAMSTER-EMPLOYER SERVICE TRAINING TRUST

520 East 34th Avenue, Suite 201  
Anchorage, AK 99503  
Telephone: 907-278-3674 (Apprenticeship Info)  
Email: [atestt@acsalaska.net](mailto:atestt@acsalaska.net)  
[www.akteamsterstraining.com](http://www.akteamsterstraining.com)

## ANCHORAGE PLUMBERS AND STEAMFITTERS LOCAL 367

Joint Apprenticeship Training Committee  
610 West 54th Avenue  
Anchorage, AK 99518-1197  
Telephone: 907-562-2810  
Fax: 907-562-2587  
Email: [billings@ualocal367.org](mailto:billings@ualocal367.org)  
[www.ualocal367.org](http://www.ualocal367.org)

## ASSOCIATED BUILDERS AND CONTRACTORS, INC.

1900 West Benson Boulevard, Suite 201  
Anchorage, AK 99517  
Telephone: 907-565-5600  
Fax: 907-565-5645  
Email: [info@abcalaska.org](mailto:info@abcalaska.org)  
[www.abcalaska.org](http://www.abcalaska.org)

## CARPENTERS LOCAL 2247

Joint Apprenticeship Training Committee  
1721 Anka Street  
Juneau, AK 99801  
Telephone: 907-586-3675  
Fax: 907-586-3675  
[www.ubcalaska.org/2247\\_Southeast\\_Ak.html](http://www.ubcalaska.org/2247_Southeast_Ak.html)

## FAIRBANKS PLUMBERS & STEAMFITTERS LOCAL 375

Apprenticeship Training Committee  
1978 Burgess Avenue  
Fairbanks, AK 99709  
Telephone: 907-456-5989  
Fax: 907-456-5905  
Email: [jatc@ualocal375.org](mailto:jatc@ualocal375.org)  
[www.ualocal375.org](http://www.ualocal375.org)

## FAIRBANKS SHEET METAL WORKERS

International Association, Local 23  
1260 Aurora Drive  
Fairbanks, AK 99709  
Contact: Apprenticeship Coordinator  
Telephone: 907-452-3864  
Fax: 907-456-3413  
<http://local23jatc.org>

## **INTERNATIONAL ASSOCIATION OF HEAT & FROST INSULATORS, ASBESTOS WORKERS**

Union Local 97  
407 Denali Street, Room 303  
Anchorage, AK 99501  
Telephone: 272-8224  
Fax: 277-8860

## **INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS (IBEW)**

Local 1547 - Juneau  
Apprenticeship Training Committee  
813 West 12th Street  
Juneau, AK 99801  
Telephone: 907-586-3050  
Fax: 907-586-9614  
Email: [vvanfleet@ibew1547.org](mailto:vvanfleet@ibew1547.org)  
[www.ibew1547.org](http://www.ibew1547.org)

## **INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS (IBEW)**

Local 1547 - Ketchikan  
317 Stedman Avenue  
Ketchikan, AK 99901  
Telephone: 907-225-4020  
Fax: 907-225-3924  
[www.ibew1547.org](http://www.ibew1547.org)

## **IRONWORKERS LOCAL 541**

8141 Schoon Street  
Anchorage, AK 99518-3047  
Contact: Apprenticeship Coordinator  
Telephone: 907-563-4767  
Fax: 907-563-2855

## **JUNEAU PLUMBERS AND PIPEFITTERS LOCAL 262**

1751 Anka Street  
Juneau, AK 99801  
Telephone: 907-586-2874  
Fax: 907-463-5116  
[www.aatca.org/Plumbers\\_Juneau.html](http://www.aatca.org/Plumbers_Juneau.html)

## **LABORERS' INTERNATIONAL UNION**

Alaska Laborers Apprenticeship Training School  
13500 Old Seward Highway  
Anchorage, AK 99515  
Telephone: 907-345-3853  
Fax: 907-345-4479

## **LABORERS' LOCAL 942 -FAIRBANKS**

Alaska Laborers' Training School  
2740 Davis Road  
Fairbanks, AK 99709  
Telephone: 907-452-3146  
Fax: 907-452-6285

## **LABORERS' LOCAL 942 -JUNEAU**

Alaska Laborers' Training School  
722 West 9th Street  
Juneau, AK 99801  
Telephone: 907-586-2860  
Fax: 907-586-5757

## **MARINE EXCHANGE OF ALASKA MARITIME**

Pride and Education Program  
1000 Harbor Way Suite 204  
Juneau, AK 99801  
Telephone: 907-463 2607  
Fax: 907-463-3654  
Email: [training@mxak.org](mailto:training@mxak.org)  
[www.mxak.org](http://www.mxak.org)

## **NORTHERN ALASKA CARPENTERS LOCAL 1243**

Fairbanks Carpenters Training Center  
6 Timberland Drive  
Fairbanks, AK 99701  
Telephone: 907-452-4626  
Fax: 907-456-5542

## **PAINTERS AND ALLIED TRADES ALASKA APPRENTICESHIP TRAINING COORDINATORS ASSOCIATION**

501 Raspberry Road, Suite 2  
Anchorage, AK 99518  
Telephone: 907-562-8843  
Fax: 907-563-8843  
Email: [dhansen@local1959.org](mailto:dhansen@local1959.org)  
[www.aatca.org](http://www.aatca.org)

## **DRIVERS UNION LOCAL 2520**

Apprenticeship Training Program  
825 East 8th Avenue  
Anchorage, AK 99501  
Contact: Apprenticeship Coordinator  
Telephone: 907-272-7576  
Fax: 907-277-8967  
[www.local2520.org](http://www.local2520.org)

## **PLASTERERS' AND CEMENT MASONS**

Apprenticeship Coordinator  
7851 Spring Street Suite 1  
Anchorage AK, 99518  
Telephone: 907-223-0838  
Fax: 907-272-4378

## **ROOFERS AND WATERPROOFERS LOCAL 190**

Joint Apprenticeship Training Committee  
Apprenticeship Coordinator  
825 East 8th Avenue, Suite 10  
Anchorage, AK 99501  
Telephone: 907-272-4311  
Fax: 907-277-4311  
Email: [local190union@alaska.net](mailto:local190union@alaska.net)  
[www.aatca.org/Roofers.html](http://www.aatca.org/Roofers.html)

## **SEAFARERS INTERNATIONAL UNION**

721 Sesame Street, Suite 1C  
Anchorage, AK 99503  
Telephone: 907-561-4988  
Fax: 907-563-0122

## **SHEET METAL WORKERS INTERNATIONAL ASSOCIATION, LOCAL 23**

Joint Apprenticeship Training Committee  
1307 East 75th Avenue 4  
Anchorage, AK 99518  
Contact: Apprenticeship Coordinator  
Telephone: 907-277-5367  
Fax: 907-274-8219  
<http://local23jatc.org>

## **SOUTHERN ALASKA CARPENTERS – LOCAL'S 1281, 2247, & 1501**

Joint Apprenticeship Training Committee  
8751 King Street  
Anchorage, AK 99502  
Contact: Apprenticeship Coordinator  
Telephone: 907-344-1541 or 1-888-825-1541  
Fax: 907-349-5823  
[www.sactcapprentice.org](http://www.sactcapprentice.org)

## **U.S. DEPARTMENT OF LABOR**

Bureau of Apprenticeship Training  
605 West 4th Avenue  
Room G-30  
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**TO LEARN MORE ABOUT SPECIFIC APPRENTICESHIP  
OPPORTUNITIES, PLEASE CONSULT THE  
U.S. DEPARTMENT OF LABOR STATE  
APPRENTICESHIP INFORMATION WEBSITE AT:**

**<http://www.ajcn.state.ak.us/apprentice>**



# PART FOUR: POTENTIAL JOBS DURING CONSTRUCTION





The list below provides some of the potential jobs that would be available during construction of the Donlin Gold project if it is approved for development. A majority of these jobs will be hired through contractors, while some will be employed through Donlin Gold directly.

- Accountant
- Airport Maintenance
- Airport Traffic/Fire and Rescue
- Air Track Driller
- All-Terrain Forklift Operator
- Articulated End Dump Truck Operator
- Bus Driver
- Camp Facility Maintenance
- Cargo Handler
- Clerk/Administrative Assistant
- Communications/Instrumentation
- Compactor Operator
- Cook
- Crane Operator
- Crusher and Screening Plant Operator
- Directional Driller and Boring Operator
- Electrician/Plumber/Carpentry
- Engineer
- Environmental Technician
- Excavator Operator
- Explosives/Blasting
- Explosive Loading/Blasting
- Facilities Construction and Maintenance
- Fiber Optic Splicer
- General Labor
- Grader Operator
- Helper
- Housekeeping
- Instrumentation Technician
- Iron Worker
- Materials Handling, Purchasing and Warehousing
- Mechanics/Welding/Lubrication/Fueling
- Millwright Construction
- Mobile Crane Operator
- OSHA Safety Engineer
- Over-the-Road Truck Driver
- Paramedic/EMT
- Pile Driving Operator
- Pile Hauling Truck Driver
- Pilot
- Pipefitter
- Pipeline Construction
- Plant Maintenance
- Power Plant Operator
- Pump Installation and Repair
- River Port Construction
- Road Construction
- Rock Crusher/Screen Plant Operator
- Rock Quarry Drilling
- Small Forklift Operator
- Surveyor
- Tank Farm Operator
- Temporary Camp Facility Maintenance
- Tracked Dozer Operator
- Tracked Pipe Crane Operation
- Vibratory Compactor Operator
- Waste Management
- Water and Sewer Treatment Plant Operator
- Water Truck Driver
- Welder/Steel Worker/X-Ray Specialist
- Wheeled Loader Operator



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**DONLIN GOLD IS COMMITTED TO CREATING A SAFE AND ENVIRONMENTALLY RESPONSIBLE MINING PROJECT THAT PROVIDES OPPORTUNITIES FOR FAMILIES IN THE YUKON KUSKOKWIM REGION TO LIVE IN HEALTHY AND PROSPEROUS COMMUNITIES**