

CHAPTER 5

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CHAPTER 6

6 MAJOR PERMITS AND AUTHORIZATIONS

This chapter lists the major permits and authorizations that FGMI will need to obtain for construction and operation of the True North Mine.

6.1 STATE OF ALASKA PERMIT

6.1.1 DEPARTMENT OF NATURAL RESOURCES

Burning Permits

Field Archaeology Permit and Final Site Clearance

Authorization for Geochemical Testing

Right-of-Way for Brush Clearing & Equipment Storage

Plan of Operations Approval (consisting of Project Description and Reclamation Plan)

Permit to Appropriate Water

Temporary Water Use Permit

Millsite Lease

Mental Health Trust Approval for ROW and Material Use

Haul Road ROW and Road Maintenance Agreement

Transportation Plan Approval

Rights of Way for Road and Powerline

Monitoring Plan Approval

6.1.2 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Solid Waste Disposal Permit

Certificate of Reasonable Assurance for Corps of Engineers 404 Permit

Plan Review for Public Water Supply System

Plan Review for Domestic Sewage System

SPCC Plan Approval

Storm Water Discharge Pollution Prevention Plan

6.1.3 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

Driveway Permits

Agreement for Reconstruction and Maintenance of Access Road

6.1.4 DEPARTMENT OF PUBLIC SAFETY

Approval to Transport Hazardous Materials

Life and Fire Safety Plan Check

Plan Review Certificate of Approval for each Building

6.1.5 DEPARTMENT OF LABOR

Certificate of Inspection for Fired and Unfired Pressure Vessel

Employer Identification Number

6.2 FEDERAL PERMITS

6.2.1 BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS

Permit and License for Use of Explosives

6.2.2 CORPS OF ENGINEERS

404 Wetlands Permit

6.2.3 ENVIRONMENTAL PROTECTION AGENCY

SPCC Plan

Stormwater Multi-Sector General Permit for Industrial Activities

Storm Water Pollution Prevention Plan

6.2.4 MINE SAFETY AND HEALTH ADMINISTRATION

Notification of Legal Identity

Training and Retraining of Miners Plan

6.3 LOCAL PERMITS AND AUTHORIZATIONS

6.3.1 FAIRBANKS NORTH STAR BOROUGH

Zoning Permit

Subdivision Plat Approval

6.3.2 POWER LINE PERMITS (ISSUED TO GVEA)

CHAPTER 7

7 GLOSSARY, ABBREVIATIONS, AND ACRONYMS

7.1 GLOSSARY

Acid/base accounting—A method to determine if a material has the potential to generate acidic leachate. Both the acid-producing potential and the ability of the material to neutralize acid are determined and compared. If the acid-producing potential of the material is greater than its natural neutralizing capacity, the material is considered a potential acid-producing material.

Acid generation potential (or net acid generation potential)—A measure of the sulfide minerals in mine dumps and mill tailing and their capability, under oxidizing conditions, to form acid.

Aufeis—A sheet of ice formed on a river floodplain in winter when shoals in the river freeze solid or are otherwise dammed so that water spreads over the floodplain and freezes.

Bench—Step or terrace-like areas on the sides of a pit. Benches are used as work areas and they improve pit wall stability and worker safety.

Development rock—Rock that is noneconomic, or has no mineral value, that must be removed to allow access to the ore. Development rock can be used as fill in construction of roads, dams, and other mine facilities.

Feasible—Capable of being carried out in a reasonably technical and economic manner.

Mill—A facility in which ore is treated to recover valuable metals such as gold.

Mining—The process of removing ore from the ground and transporting it to the mill. At True North this would include drilling, blasting, loading into trucks, and hauling to the Fort Knox Mill.

Overburden—Non-mineralized material that overlies the ore body.

Putrescible—Material that will decompose or rot.

Tailing—A slurry of ground ore in water that is discharged from the mill after the gold has been extracted, the cyanide has been detoxified, and the pH has been neutralized.

Zero discharge—The standard of performance for protecting surface waters that requires containing all process fluids with no discharge outside the process circuit.

7.2 ABBREVIATIONS AND ACRONYMS

AADT	Average annual daily traffic
ACHP	American Council on Historic Preservation
ADFG	Alaska Department of Fish & Game
ADEC	Alaska Department of Environmental Conservation
ADNR	Alaska Department of Natural Resources
ADOT/PF	Alaska Department of Transportation and Public Facilities
ADL	Alaska Department of Labor
ADOL	Alaska Department of Labor
ALS	Alternative learning system
ANFO	Ammonium nitrate/fuel oil
ANP	Acid neutralizing potential
ANSI	American National Standards Institute
APA	Adult public assistance or the American Planning Association
ARD	Acid rock drainage
ASCE	American Society of Civil Engineers
ATAP	Alaska temporary assistance program
BOM	Bureau of Mines

CaCO ₃	Calcium carbonate
CAIHC	Chief Andrew Isaac Health Center
CAMA	Chronic and acute medical assistance
CEQ	Council on Environmental Quality
CFR	U.S. Code of Federal Regulations
Cfm	Cubic feet per minute
COE	U.S. Army Corps of Engineers
CWA	Clean Water Act (1977)
dB	Decibel
dBA	Decibel A-weighted
dBC	Decibel C-weighted
dB L	Unweighted decibels
EA	Environmental assessment
EPA	U.S. Environmental Protection Agency
ESA	Endangered Species Act
FCVB	Fairbanks Convention and Visitors Bureau
FGMI	Fairbanks Gold Mining, Inc.
FHA	Federal Housing Administration
FHWA	U.S. Federal Highway Administration
FMH	Fairbanks Memorial Hospital
FNSB	Fairbanks North Star Borough
gpm	Gallons per minute
GRA	General relief assistance
GVEA	Golden Valley Electric Association

ha	Hectare (1 ha = 2.471 acs)
HAP	Heating assistance program
HUD	U.S. Department of Housing and Urban Development
INHC	Interior Neighborhood Health Clinic
IPA	International Permafrost Association
ISO	Insurance service office
kV	Kilovolts
LBCS	Land based classification standards
L _{dn}	Day-night average sound level
L _{eq}	Equivalent continuous sound level
L _{max}	Maximum A-weighted rms sound level
LNG	Liquefied natural gas
L _p	Sound pressure level
MCL	Maximum contaminant concentration level
MDL	Machine detection level
mg/L	Milligrams per liter
MHLT	Mental Health Land Trust
MMIS	Medicaid management information system
MSHA	Mining Safety and Health Administration
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act (1969)
NOAA	National Oceanic and Atmospheric Administration
NO ₂	Nitrogen dioxide

NWI	National Wetlands Inventory
O ₃	Ozone
opt	Ounce per ton
RCA	Regulatory Commission of Alaska
ROW	Right of way
SHPO	State Historic Preservation Office
SPCC	Spill prevention, containment, and countermeasure
TCC	Tanana Chiefs Conference
tpd	Tons per day
tpy	Tons per year
UAF	University of Alaska at Fairbanks
UCU	Uniform coding unit
UBC	Uniform Building Code
UCM	Usibelli Coal Mine
USDOT	U. S. Department of Transportation
USFWS	U.S. Fish and Wildlife Service
Yd ³	Cubic yard
