

20.03.02 – RULES GOVERNING MINED LAND RECLAMATION

000. LEGAL AUTHORITY.

Title 47, Chapter 15 (“chapter”), Idaho Code, authorizes the Board to promulgate rules pertaining to mineral exploration; mining operations; reclamation of lands affected by exploration and mining operations, including review and approval of reclamation and permanent closure plans; requirements for financial assurance for reclamation and permanent closure, and to establish a reasonable fee for reviewing and approving reclamation plans and permanent closure plans, including the reasonable cost to employ a qualified independent party, acceptable to the applicant and the Board, to review reclamation plans and permanent closure plans and to verify the accuracy of cost estimates. The Board has delegated to the director of the Department the duties and powers under the chapter and these rules, however the Board retains responsibility for administrative review. (3-20-20)T

001. TITLE AND SCOPE.

01. Title. These rules are titled IDAPA 20.03.02, “Rules Governing Mined Land Reclamation,” IDAPA 20, Title 03, Chapter 02. (3-20-20)T

02. Purpose. These rules are intended to provide for the protection of public health, safety, and welfare, by ensuring that all the lands within the state disturbed by exploration and mining operations are properly reclaimed and ensuring the proper permanent closure of cyanidation facilities and thereby conserve natural resources; aid in the protection of wildlife, domestic animals, and aquatic resources; and reduce soil erosion. It is also the purpose of these rules to implement the State of Idaho’s antidegradation policy as set forth in Executive Order No. 88-23 as it pertains to exploration and mining operations and cyanidation facilities operating in the state. These rules are not intended to require reclamation or permanent closure activities in addition to those required by the chapter. (3-20-20)T

03. Scope. These rules establish the notification requirements for exploration and the application, operation, and reclamation requirements for mined lands. In addition, they establish the application and closure requirements for cyanidation facilities. These rules also establish the reclamation and financial assurance requirements for all these activities, and describe the processes used to administer the rules in an orderly and predictable manner. (3-20-20)T

04. Other Laws. Operators engaged in exploration, ~~mining~~-mine operation, and operation of a cyanidation facility shall comply with all applicable laws and rules of the state of Idaho including, but not limited to the following: ~~(3-20-20)T()~~

a. Idaho water quality standards established in Title 39, **Chapters 1 and 36**, Idaho Code; IDAPA 58.01.02, “Water Quality Standards”; and IDAPA 58.01.11, “Ground Water Quality Rule,” administered by the Department of Environmental Quality (DEQ). ~~(3-20-20)T()~~

b. Requirements and procedures for hazardous and solid waste management, as established in Title 39, Chapter 44, Idaho Code, and rules promulgated thereunder including, IDAPA 58.01.05, “Rules and Standards for Hazardous Waste” and IDAPA 58.01.06, “Solid Waste Management Rules,” administered by the DEQ. (3-20-20)T

c. Section 39-118A, Idaho Code, and applicable rules for ore processing by cyanidation as promulgated and administered by the DEQ as defined in IDAPA 58.01.13, “Rules for Ore Processing by Cyanidation.” (3-20-20)T

d. Section 39-175, Idaho Code, and applicable rules for the discharge of pollutants to waters of the United States as promulgated and administered by DEQ in IDAPA 58.01.25, “Rules Regulating the Idaho Pollutant Discharge Elimination System Program.” (3-20-20)T

e. Idaho Stream Channel Protection Act, Title 42, Chapter 38, Idaho Code, and applicable rules as promulgated and administered by the Idaho Department of Water Resources. (3-20-20)T

f. Idaho Dam Safety Act, Sections 42-1710 through 42-1721, Idaho Code, and applicable rules promulgated and administered by the Idaho Department of Water Resources. (3-20-20)T

05. Applicability. These rules are to be read and applied in conjunction with the chapter. These rules apply to all exploration, mining operations, and permanent closure of cyanidation facilities on all lands in the state, regardless of ownership. (3-20-20)T

a. These rules apply to mining operations or exploration operations ~~conducted on all lands within the state, regardless of ownership,~~ commenced after the effective date of these rules. These rules in no way affect, alter, or modify the terms or conditions of any approved reclamation plan ~~or approved amendment thereto,~~ plan amendment, or financial assurance for reclamation obtained prior to January 1, 1997. If a material change arises and is regulated in accordance with Subsection 090.01, then the operator shall submit a ~~supplemental~~-reclamation plan amendment. (3-20-20)T()

b. These rules do not apply to: (3-20-20)T

i. Any surface mining operations performed prior to May 31, 1972. An operator will not be required to perform reclamation activities on any pit or overburden pile as it existed prior to May 31, 1972. (3-20-20)T

ii. Mining operations for which the Idaho Dredge and Placer Mining Protection Act requires a permit, or which are otherwise regulated by that act. (3-20-20)T

iii. Extraction of minerals from within the right-of-way of a public highway by a public or governmental agency for maintenance, repair or construction of a public highway, provided the affected land is an integral part of such highway. (3-20-20)T

iv. Underground mines that existed prior to July 1, 2019, and have not expanded their surface disturbance by 50% or more after that date. (3-20-20)T

c. Sand and gravel mining operations in state-owned beds of navigable lakes, rivers or streams shall constitute an approved mining plan for the purpose of these rules if ~~they are covered by a valid lease granted by the Board in accordance with Title 47, Chapter 7, Idaho Code and IDAPA 20.03.05, "Rules Governing Riverbed Mineral Leasing," and a valid mineral lease bond; have a valid stream channel alteration permit issued by the Idaho Department of Water Resources; and have a plan of operation for the mineral lease approved by the Department.~~ the operator has all of the following: (3-20-20)T()

i. A valid riverbed mineral lease granted by the Board in accordance with IDAPA 20.03.05, "Rules Governing Riverbed Mineral Leasing", with a valid mineral lease bond; ()

ii. An approved plan of operations for the riverbed mineral lease; and ()

iii. A valid stream channel alteration permit issued by the Idaho Department of Water Resources. ()

d. Surface mining operations, conducted by a public or governmental agency for maintenance, repair, or construction of a public highway, which: (3-20-20)T

i. Disturb more than two (2) acres will comply with the provisions of Section 069; or (3-20-20)T

ii. Disturb less than two (2) acres will comply with Subsections 060.06.a. through 060.06.c. (3-20-20)T

e. A cyanidation facility with a permit approved by the DEQ prior to July 1, 2005, shall be subject to the applicable laws and rules for ore processing by cyanidation in effect on June 30, 2005; however, if there is a material modification or material expansion to a cyanidation facility after July 1, 2005, these rules shall apply to the modification or expansion. (3-20-20)T

002. -- 009. (RESERVED)

010. DEFINITIONS.

In addition to the definitions set forth in the chapter, the following definitions apply to these rules: (3-20-20)T

~~01. Adit. A nearly horizontal passage from the surface into an underground mine. ()~~

~~0102. Approximate Previous Contour. A contour that is reasonably comparable to that contour existing prior to disturbance, or that blends with the adjacent topography. (3-20-20)T~~

~~0203. Best Management Practices (BMP). Practices, techniques or measures developed, or identified, by the designated agency as described in IDAPA 58.01.02, "Water Quality Standards," and identified in the state water quality management plan which are determined to be a cost-effective and practicable means of preventing or reducing pollutants generated from nonpoint sources to a level compatible with water quality goals. (3-20-20)T()~~

~~0304. Chapter. The Mined Land Reclamation Act, Title 47, Chapter 15, Idaho Code. (3-20-20)T~~

~~0405. Department. The Idaho Department of Lands. (3-20-20)T~~

~~0506. Discharge. With regard to cyanidation facilities, when used without qualification, any spilling, leaking, emitting, escaping, leaching, or disposing of a pollutant into the waters of the state. (3-20-20)T~~

~~0607. Groundwater Water. Any water of the state which that occurs beneath the surface of the earth in a saturated geological formation of rock or soil. (3-20-20)T()~~

~~0708. Land Application. A process or activity involving application of process water, wastewater, surface water, or semi-liquid material liquids or slurries potentially containing cyanide from the cyanidation facility to the land surface for the purpose of treatment, neutralization, disposal, pollutant removal, or ground water recharge. (3-20-20)T()~~

~~0809. Material Change. (3-20-20)T~~

~~a. A change which deviates from the approved reclamation plan or permanent closure plan and causes one (1) of the following to occur: (3-20-20)T()~~

~~ia. Results in a substantial adverse effect to the geotechnical stability of overburden disposal areas, topsoil, stockpiles, roads, embankments, tailings facilities, cyanidation facilities or pit walls; (3-20-20)T()~~

~~ib. Substantially modifies surface water management or a water management plan, not to include routine implementation and maintenance of BMPs; (3-20-20)T()~~

~~ic. Exceeds the permitted acreage; or (3-20-20)T()~~

~~id. Increases overall estimated reclamation costs by more than fifteen percent (15%). (3-20-20)T()~~

~~b. For underground mines with an approved reclamation plan, a new opening to an underground mine is also a material change. (3-20-20)T~~

~~0910. Material Modification or Material Expansion. With regard to cyanidation facilities: (3-20-20)T~~

a. Any change to a cyanidation facility with an existing permit, except as provided in subsection 010.10.b, that the Department determines will cause any of the following: ()

i. The addition of a new ~~beneficiation-cyanidation~~ process or cyanidation facility component, or a significant change in the capacity of an existing ~~beneficiation process, which was not identified in the original application~~ cyanidation facility component, that is not authorized by the existing permit and that significantly increases the potential to ~~degrade the~~ cause degradation of waters of the state. ~~Such process could include, but is not limited to, heap leaching and process components for milling;~~ or (3-20-20)T()

ii. A significant change in the location of a ~~proposed process component~~ cyanidation process, cyanidation facility component or site condition ~~which was that is~~ not adequately described in the original application; or (3-20-20)T()

iii. A change in the ~~beneficiation-cyanidation~~ process that alters the characteristics of the waste stream in a way that significantly increases the potential to ~~degrade the~~ cause degradation of waters of the state. (3-20-20)T()

b. ~~For a cyanidation facility with an existing permit that did not actively add cyanide after January 1, 2005, Reclamation and closure related activities at a cyanidation facility with an existing permit that did not actively add cyanide after January 1, 2005 shall not be considered to be material modifications or material expansions of the cyanidation facility.~~ (3-20-20)T()

1011. Material Stabilization. Managing or treating spent ore, tailings, other solids and/or sludges resulting from the cyanidation process ~~in such a manner~~ to minimize waters or all other applied solutions from migrating through the material and transporting pollutants associated with the cyanidation facility ~~ensuring to ensure~~ that all discharges comply with all applicable standards and criteria. (3-20-20)T()

1112. Motorized Earth-Moving Equipment. Backhoes, bulldozers, front-loaders, trenchers, core drills, and other similar equipment. (3-20-20)T

1213. Neutralization. Treatment of process waters such that discharge or final disposal of those waters ~~does not, or will not, violate the any applicable surface or ground water quality standards or permits issued by DEQ and criteria.~~ (3-20-20)T()

14. Operating Plan. A plan that describes how a mining operation will be constructed and operated to avoid or minimize surface disturbance and potential impacts to waters of the state, and to prepare for final reclamation. ()

1315. Permanent Closure. Those activities ~~which that~~ result in neutralization, material stabilization, and decontamination of cyanidation facilities or the facilities' final reclamation. (3-20-20)T()

1416. Permit. When used without qualification, any written authorization, license, or equivalent control document issued by the DEQ. This includes authorizations issued pursuant to the application, public participation, and appeal procedures in IDAPA 58.01.13, "Rules for Ore Processing by Cyanidation," and those issued pursuant to the application, public participation, and appeal procedures in IDAPA 58.01.25. (3-20-20)T

15. Pilot Facility. (3-20-20)T

a. ~~A testing cyanidation facility that is constructed primarily to obtain data on the effectiveness of the beneficiation process to determine:~~ (3-20-20)T

i. ~~The feasibility of metals recovery from an ore; or~~ (3-20-20)T

ii. ~~The optimum operating conditions for a predetermined process to extract values from an ore.~~ (3-20-20)T

~~b. A pilot or testing cyanidation facility operated for one (1) year for a single test or two (2) years for multiple tests, during which time no more than ten thousand (10,000) tons of ore are evaluated for the testing process(es), unless the applicant can demonstrate that a greater amount is necessary for a specific purpose in the testing process. (3-20-20)T~~

1617. Pollutant. Chemicals, chemical waste, process water, biological materials, radioactive materials, or other materials ~~which that~~, when discharged, cause or contribute to water pollution, or may otherwise impact ~~the surface or ground~~ waters of the state. (3-20-20)T()

1718. Process Waters. Any liquids ~~which are~~ intentionally or unintentionally introduced into any portion of the cyanidation process. These liquids may contain cyanide or other minerals, meteoric water, ground or surface water, elements and compounds added to the process solutions for leaching or the general beneficiation of ore, or hazardous materials that result from the combination of these materials. (3-20-20)T()

1819. Real Property. Land and appurtenances as defined in Section 55-101, Idaho Code. (3-20-20)T

1920. Reclamation. The process of restoring an area affected by a mining operation or cyanidation facility to its original or another beneficial use, considering previous uses, possible future uses, and surrounding topography. The objective is to re-establish a diverse, self-perpetuating plant community, and to minimize erosion, remove hazards, and maintain water quality. (3-20-20)T

~~**21. Reclamation Plan.** A plan using a combination of maps, drawings, and descriptions that describes how a mine is constructed and how reclamation of a mine's affected land is accomplished. ()~~

~~**2022. Revegetation.** The establishment of the premining vegetation or a comparable vegetative cover on the land disturbed by mining operations. (3-20-20)T~~

~~**21. Small Cyanidation Processing Facility.** A cyanidation facility which chemically processes less than thirty-six thousand five hundred (36,500) tons of ore per year and no more than one hundred twenty thousand (120,000) tons of ore for the life of the project at any one (1) permitted cyanidation facility. No person or operator may concurrently hold more than one (1) small cyanidation processing facility permit, if located within ten (10) miles of each other. (3-20-20)T~~

~~**23. Shaft.** A vertical or inclined passage from the surface into an underground mine. ()~~

2224. Surface Waters. The surface waters of the state of Idaho. (3-20-20)T

2325. Treatment. Any method, technique or process designed to change the physical, chemical, or biological character or composition of a waste for the purpose of disposal. (3-20-20)T

2426. Water Balance. An inventory and accounting process capable of being reconciled that integrates all potential sources of water that are entrained in the cyanidation facility or may enter into or exit from the cyanidation facility. The inventory must include the water holding capacity of specific structures within the facility that contain process water. The water balance is used to ensure that all process water and other pollutants can be contained as engineered and designed within a factor of safety as determined in the permanent closure plan. (3-20-20)T

2527. Water Management Plan. A document that describes the results of the water balance and the methods that will be used to ensure that pollutants are not discharged from a cyanidation facility into waters of the state, unless permitted or otherwise approved by the DEQ. (3-20-20)T

2628. Waters of the State. All the accumulations of water, surface and underground, natural and artificial, public or private, or parts thereof ~~which that~~ are wholly or partially within, ~~which~~ flow through, or border upon the state of Idaho. These waters shall not include municipal or industrial wastewater treatment or storage structures or private reservoirs, the operation of which has no effect on waters of the state. (3-20-20)T()

2729. Weak Acid Dissociable Cyanide. The cyanide concentration as determined by Method C, Weak Acid Dissociable Cyanide, D2036, the American Society of Testing Materials Book of Standards, "Standard Methods for the Examination of Water and Wastewater," Method 4500 CN⁻ I, or other methods accepted by the scientific community and deemed appropriate by the DEQ. (3-20-20)T

011. ABBREVIATIONS.

01. BMP. Best Management Practices. (3-20-20)T

02. DEQ. Department of Environmental Quality. (3-20-20)T

03. IPDES. Idaho Pollutant Discharge Elimination System. ()

04. NEPA. National Environmental Policy Act. ()

05. SWPPP. Storm Water Pollution Prevention Plan. ()

0306. U.S.C. United States Code. (3-20-20)T

0407. WAD. Weak Acid Dissociable. (3-20-20)T

012. -- 049. (RESERVED)

050. ADMINISTRATION.

The Department will administer these rules under the direction of the director. (3-20-20)T

051. -- 059. (RESERVED)

060. EXPLORATION OPERATIONS AND REQUIRED RECLAMATION.

01. Diligence. All reclamation activities required to be conducted on exploration sites shall be performed in a good, workmanlike manner with all reasonable diligence, and as to a given exploration drill hole, road, or trench, within one (1) year after abandonment thereof. (3-20-20)T

02. When Exploration Is Mining. Exploration operations may under some circumstances constitute mining operations as described in Section 47-1503(7), Idaho Code. (3-20-20)T

03. Notification. Any operator desiring to conduct exploration using motorized earth-moving equipment to locate minerals for immediate or ultimate sale shall notify the Department within seven (7) days after beginning exploration operations. **No application fee or financial assurance is required for exploration that is not a mining operation.** (3-20-20)T()

04. Contents of Notification. The notification shall include: (3-20-20)T

a. The name and address of the operator; (3-20-20)T

b. The legal description of the exploration and its starting and estimated completion date; and (3-20-20)T

c. The anticipated size of the exploration and the general method of operation. (3-20-20)T

05. Confidentiality. Any such notification shall be treated as confidential in accord with Section 180. (3-20-20)T

06. Exploration Reclamation (Less Than Two Acres). Every operator who conducts exploration affecting less than two (2) acres shall: (3-20-20)T

a. Wherever possible, contour the affected lands to their approximate previous contour; and (3-20-20)T

b. Conduct revegetation activities in accordance with Subsection 140.11. Unless otherwise required by a federal agency, one (1) pit or trench on a federal mining claim showing discovery, may be left open pending verification by federal mining examiners. (3-20-20)T

c. ~~Abandoned e~~Exploration drill holes shall be plugged, ~~or otherwise within 30 days of drilling the holes. Upon request, the Director may allow the holes to be temporarily left unplugged for up to a year, but until they are plugged the holes must be~~ left so as to eliminate hazards to humans and animals. ~~Pits or trenches on mining claims showing discovery may be left open pending verification by federal mining examiners but shall not create a hazard to humans or animals. Such abandoned pits and trenches shall be reclaimed within one (1) year of verification.~~ (3-20-20)T()

d. ~~Pits or trenches on mining claims showing discovery may be left open pending verification by federal mining examiners but shall not create a hazard to humans or animals. Such abandoned pits and trenches shall be reclaimed within one (1) year of verification.~~ ()

e. If water runoff from exploration causes siltation of surface waters in amounts more than normally results from runoff, the operator shall reclaim affected lands and adjoining lands under his control as is necessary to meet state water quality standards. (3-20-20)T

07. Exploration Reclamation (More Than Two Acres). Reclamation of lands where exploration has affected more than two (2) acres shall be completed as set forth in Subsection 060.06 and the following additional requirements: (3-20-20)T

a. Abandoned exploration roads shall be cross-ditched as necessary to minimize erosion. The director may request in writing, or may be petitioned in writing, that a given road or road segment be left for a specific purpose and not be cross-ditched or revegetated. If the director approves the petition, the operator cannot thereafter be required to conduct reclamation activities with respect to that given road or road segment. (3-20-20)T

b. Ridges of overburden shall be leveled so as to have a minimum width of ten (10) feet at the top. (3-20-20)T

c. Peaks of overburden shall be leveled so as to have a minimum width of fifteen (15) feet at the top. (3-20-20)T

d. Overburden piles shall be reasonably prepared to control erosion. (3-20-20)T

e. Abandoned lands affected by exploration shall be top-dressed to the extent that such overburden is reasonably available from any pit or other excavation created by the exploration, with that type of overburden that is conducive to the control of erosion or the growth of vegetation that the operator elects to plant thereon. (3-20-20)T

f. Any water containment structure created in connection with exploration, shall be reasonably prepared so as not to constitute a hazard to humans or animals. (3-20-20)T

08. Additional Reclamation. The operator and the director may agree, in writing, to complete additional reclamation beyond the requirements established in the chapter and these rules. (3-20-20)T

061. -- 067. (RESERVED)

068. APPLICATION FEES

01. Base Application Fees. The following base fee schedule will be used for all reclamation plan and cyanide closure plans and amendments to those plans. For plans processed under Section 069 of these rules, this base

fee covers up to twenty (20) hours of staff time for review and processing. For plans processed under Section 070 of these rules the applicant may instead enter an agreement with the Department as described in Subsection 068.03 of these rules. The applicable acreage is based on the permitted area identified in the application:

Type of Plan	Fee (Dollars)
Section 069 of these rules, Reclamation Plan 0 to 5 acres	Five hundred (\$500)
Section 069 of these rules, Reclamation Plan >5 to 40 acres	Six hundred (\$600)
Section 069 of these rules, Reclamation Plan over 40 acres	Seven hundred fifty (\$750)
Section 070 of these rules, Reclamation Plan 0 to 100 acres	One thousand (\$1,000)
Section 070 of these rules, Reclamation Plan >100 to 1,000 acres	One thousand five hundred (\$1,500)
Section 070 of these rules, Reclamation Plan >1,000 acres	Two thousand (\$2,000)
Section 071 of these rules, Permanent Closure Plan	Five thousand (\$5,000)

(3-20-20)T()

02. Additional Fees for Applications Submitted Under Section 069. Plans processed under Section 069 of these rules that require more than twenty (20) hours of staff time due to an incomplete application will result in additional fees being charged. After a revised application has been received and determined to be complete with the exception of the fee, IDL will send an invoice to the operator at a rate of forty dollars per hour (\$40/hour) for the additional review time over the initial twenty (20) hours. If this additional fee is not paid prior to the sixty (60) day approval deadline, the application will be denied. If the additional fee is paid within 30 days of the denial, the application will be considered complete and the time requirements of Subsection 080.03 will apply. ()

03. Alternative Fee Agreement for Applications Submitted Under Section 070. In lieu of paying a fee at the time the application is submitted, an applicant under Section 070 of these rules may enter into an agreement with the Department for actual costs incurred to process an application, verify a reclamation cost estimate submitted under Idaho Code § 47-1512(c), and issue a final decision. The applicant shall not commence operations until the terms of the agreement have been met, including that the Department has been reimbursed for all actual costs incurred for the permitting process. ()

069. APPLICATION PROCEDURE AND REQUIREMENTS FOR QUARRIES, DECORATIVE STONE, BUILDING STONE, AND AGGREGATE MATERIALS INCLUDING SAND, GRAVEL AND CRUSHED ROCK.

01. Approval Required. Approval of a reclamation plan by the Department is required even if approval of such plan has been or will be obtained from a federal agency. (3-20-20)T

02. No Operator Shall Conduct Mining Operations. No operator shall conduct mining operations on any lands in the state until the reclamation plan has been approved by the director, and the operator has filed financial assurance that meets the requirements of the chapter and these rules. (3-20-20)T

03. Application Package. The operator must submit a complete application package, for each separate mine or mine panel, before the reclamation plan will be approved. Separate mines are individual, physically disconnected operations. A complete application package consists of: (3-20-20)T

a. An application provided by the director; (3-20-20)T

b. A map or maps of the proposed mining operation which includes the information required under Subsection 069.04; (3-20-20)T

c. A reclamation plan, in map and narrative form, which includes the information required under Subsection 069.05; and (3-20-20)T

d. An out-of-state operator shall designate an in-state agent authorized to act on behalf of the operator. In case of an emergency that requires an action or actions to prevent environmental damage, both the operator and the authorized agent will be notified. (3-20-20)T

e. The correct fee listed in Section 068 of these rules. (3-20-20)T

04. Map Requirements. A vicinity map shall be prepared on standard United States Geological Survey (“USGS”) seven and one-half (7.5) minute quadrangle maps or equivalent. A map of the proposed mining operation site shall be of sufficient scale to show: (3-20-20)T

a. The location of existing roads, access, and main haul roads to be constructed or reconstructed in conjunction with the mining operation and the approximate dates for construction, reconstruction, and abandonment; (3-20-20)T

b. The approximate location and names, if known, of drainages, streams, creeks, or water bodies within one thousand (1,000) feet of the mining operation; (3-20-20)T

c. The approximate boundaries of the lands to be utilized in the mining operations, including a legal description to the quarter-quarter section; (3-20-20)T

d. The approximate boundaries and acreage of the lands that will become affected land as a result of the mining operation during the first year of operations; (3-20-20)T

e. The currently planned storage locations of fuel, equipment maintenance products, wastes, and chemicals that will be utilized in the mining operation; (3-20-20)T

f. The currently planned location and configuration of pits, overburden piles, crusher reject materials, mineral stockpiles, topsoil storage, wash plant ponds and sediment ponds that will be utilized; ~~(3-20-20)T(_____)~~

g. Scaled cross-sections by length and height showing surface profiles prior to mining; and (3-20-20)T

h. A surface and mineral control or ownership map of appropriate scale for boundary identification; (3-20-20)T

05. Reclamation Plan Requirements. Reclamation plans must be submitted in map and narrative form and include the following: (3-20-20)T

a. Where surface waters are likely to be impacted ~~and or~~ when requested by the director, documents identifying and assessing foreseeable, site-specific ~~nonpoint~~ sources of water quality impacts ~~upon adjacent surface waters and the BMPs the operator will use to control such impacts during surface mining and reclamation from mining operations and proposed management activities, such as BMPs or other measures and practices,~~ to comply with water quality requirements; ~~(3-20-20)T(_____)~~

b. Scaled cross-sections by length and height, showing planned surface profiles and slopes after reclamation; (3-20-20)T

c. Roads to be reclaimed; (3-20-20)T

d. A plan for revegetation of affected lands including soil types, slopes, precipitation, seed rates, species, handling of topsoil or other growth medium, time of planting, method of planting and, if necessary, fertilizer and mulching rates; (3-20-20)T

e. The planned reclamation of wash plant or sediment ponds; (3-20-20)T

f. A drainage control map which identifies the location of BMPs that will be implemented to control

erosion and water quality impacts during mining and reclamation activities; (3-20-20)T

g. The location of any current 100-year floodplain in relation to the mining facilities if the floodplain is within one hundred (100) feet of the facilities, and the BMPs to be implemented that will keep surface waters from entering any pits and potentially changing course. (3-20-20)T

h. For operations over five (5) acres, an estimate of total reclamation cost to be used in establishing a financial assurance amount. The cost estimate will include, but is not limited to, the approximate cost of grading, revegetation, equipment mobilization, labor, and other pertinent direct and indirect costs of a third-party to complete reclamation. (3-20-20)T

i. If construction, mining, or reclamation will be completed in phases, a description of the tasks to be completed in each phase, an estimated schedule, and proposed adjustments of financial assurance related to the each phases. ()

070. APPLICATION PROCEDURE AND REQUIREMENTS FOR OTHER MINING OPERATIONS INCLUDING HARDROCK, UNDERGROUND AND PHOSPHATE MINING.

01. Reclamation Plan Approval Required. Approval of a reclamation plan by the Department is required even if approval of such plan has been or will be obtained from a federal agency. No operator shall conduct mining operations on any lands in the state until the reclamation plan has been approved by the director, and the operator has filed the required financial assurance. (3-20-20)T

02. Application Package. The operator must submit a complete application package for each separate mine or mine panel before the reclamation plan will be approved. Separate mines are individual, physically disconnected operations. A complete application package consists of: (3-20-20)T

a. All items and information required under Section 069 of these rules; (3-20-20)T

b. Any additional information required by Subsection 070.04; and (3-20-20)T

c. An operating plan, if required by Section 47-1506(b), Idaho Code, prepared in accordance with Subsection 070.05 of these rules. (3-20-20)T

03. Map Requirements. Maps shall be prepared in accordance with Subsection 069.04 of these rules with the addition of any tailings facilities or process fluid ponds. (3-20-20)T()

04. Reclamation Plan Requirements. Reclamation plans must include all of the information required under Subsection 069.05 and the following additional information: (3-20-20)T

a. A description of the planned reclamation of overburden disposal areas, tailings facilities, ~~of and~~ sediment ponds; and (3-20-20)T()

b. An estimate of total reclamation cost to be used in establishing the financial assurance amount. The cost estimate should include the approximate cost of grading, revegetation, equipment mobilization, labor, and other pertinent costs for third party reclamation. (3-20-20)T()

c. A description of foreseeable, site specific impacts from acid rock drainage water quality impacts and the BMPs and other measures and practices that will be used to mitigate any impacts from such acid rock drainage water quality impacts. This may be met by including To assist in meeting the requirements of 069.05.a of these rules, a summary of requirements from a SWPPP, IPDES permit, ground water point of compliance, and other permits or approvals or BMPs related to foreseeable water quality impacts on the affected land. (3-20-20)T()

d. Structures that will be built to help implement a SWPPP, IPDES permit, Point of Compliance or other permits or approvals related to foreseeable water quality impacts on the affected land. ()

Commented [EW1]: This includes information about phasing.

~~e.~~ Additional information regarding coarse and durable rock armor if any is proposed to be used for reclamation of mine facilities. The director may, after considering the type, size, and potential environmental impact of the facility, require the operator to include additional information in the operating plan. Such information may include, but is not limited to, one (1) or more of the following: ()

~~i.~~ A description of the quantities, size, geologic characteristics, and durability of the materials to be used for final reclamation and armoring. ()

~~ii.~~ A description of how the coarse and durable materials will be handled and/or stockpiled, including a schedule for such activities that will ensure adequate quantities are available during reclamation. ()

~~f.~~ The director may, after considering the type, size, and potential environmental impact of the facility, require the operator to prepare a geotechnical analysis and report. If failure of these structures can reasonably be expected to impact adjacent surface or ground waters or adjacent private or state-owned lands, the analysis may be required to consider the long-term stability of these structures, the potential for ground water accumulation, and the expected seismic accelerations at the site. The report must bear the imprint of an Idaho licensed professional engineer that is both signed and dated by the engineer. The report shall show that the following features, if present, are designed in a manner that is consistent with industry standards to minimize the potential for failure: ()

~~i.~~ Any waste rock or overburden stockpiles; ()

~~ii.~~ Any pit walls proposed to be more than one hundred (100) feet high; and ()

~~iii.~~ Any pit walls where geologic conditions could lead to failure of the wall regardless of the height. ()

~~dg.~~ Underground mines must provide the following additional information: (3-20-20)T

~~i.~~ Location and dimensions of all underground mine openings at the ground surface, including but not limited to vents, shafts, ~~and adits, or stopes~~; and (3-20-20)T()

~~ii.~~ A description of how each mine opening in subparagraph 070.04.dh.i of these rules will be secured during reclamation to eliminate hazards to human health and safety. (3-20-20)T

~~eh.~~ A description of post-closure activities: ~~that includes the proposed length of the post-closure period and the following:~~ (3-20-20)T()

~~i.~~ A summary of procedures and methods for water management including any likely IPDES permit, stormwater permit, and monitoring required for any ground water point of compliance, along with sufficient information to support a cost estimate for such water management activities. ()

~~ii.~~ Care and maintenance for facilities after mining has ceased. ()

~~fi.~~ Other pertinent information the Department has determined is necessary to ensure that the operator will comply with the requirements of the chapter. (3-20-20)T

05. Operating Plan Requirements. A complete operating plan shall consist of: (3-20-20)T

~~a.~~ Maps showing: (3-20-20)T

~~i.~~ The location of existing roads and anticipated access and principal haul roads planned to be constructed for mining operations. (3-20-20)T

~~ii.~~ The boundaries and acreage of the affected lands. (3-20-20)T

~~iii.~~ The planned location of pits, mineral stockpiles, overburden piles and tailings ponds for the mining

operation. (3-20-20)F

iv. The location and, if known, the names of all streams, creeks, or water bodies within the area of the affected lands. (3-20-20)F

v. The drainage adjacent to the area where the surface is being utilized by mining operations. (3-20-20)F

vi. The approximate boundaries and acreage of the lands that will become affected during the first year of mining operations. (3-20-20)F

b. Additional information regarding coarse and durable rock armor, if any, is proposed to be used for reclamation of mine facilities. The director may, after considering the type, size, and potential environmental impact of the facility, require the operator to include additional information in the operating plan. Such information may include, but is not limited to, one (1) or more of the following: (3-20-20)F

i. A description of the quantities, size, geologic characteristics, and durability of the materials to be used for final reclamation and armoring. (3-20-20)F

ii. A description of how the coarse and durable materials will be handled and/or stockpiled, including a schedule for such activities that will ensure adequate quantities are available during reclamation. (3-20-20)F

c. The director may, after considering the type, size, and potential environmental impact of the facility, require the operator to prepare a geotechnical analysis and report, signed by an engineer registered in the state of Idaho, which shows that (1) any waste rock or overburden stockpiles, (2) any pit walls proposed to be more than one hundred (100) feet high, or (3) any pit walls where geologic conditions could lead to failure of the wall regardless of the height will be constructed in a manner that is consistent with industry standards to minimize the potential for failure. If failure of these structures can reasonably be expected to impact adjacent surface or ground waters or adjacent private or state-owned lands, the analysis may be required to consider the long-term stability of these structures, the potential for groundwater accumulation, and the expected seismic accelerations at the site. (3-20-20)F

a. Ore, tailings, and waste rock handling flow sheets and diagrams. ()

b. Waste rock management plan. ()

c. Water quality monitoring locations. ()

d. Water discharge points during operations. ()

e. Anticipated concurrent reclamation prior to the cessation of mining. ()

f. Estimated throughput and timeline for mining. ()

g. Types of ore processing and beneficiation. ()

h. Process fluid pond volumes and anticipated contents. ()

06. Monitoring Data. When the director determines, after consultation with the DEQ, that there is a reasonable potential for pollution of adjacent surface and ground waters, the director shall require the operator to provide baseline pre-project surface and ground water monitoring information and furnish additional monitoring data during the life of the project. This provision shall not require any additional baseline pre-project monitoring information or ongoing monitoring data where such data is already required to be provided under any federal or state law and is available to the director. ()

Commented [EW2]: 47-1506(h) requires IDL to coordinate with DEQ. This is part of that coordination. It was pulled up from 080.05 so it could be part of the application instead of just the review.

071. APPLICATION PROCEDURE AND REQUIREMENTS FOR PERMANENT CLOSURE OF CYANIDATION FACILITIES.

01. Permanent Closure Plan Approval Required. No operator shall ~~construct or~~ operate a new cyanidation facility or materially modify or materially expand an existing cyanidation facility prior to obtaining a permit, approval from the director and before the operator has filed financial assurance, as required by these rules.

(3-20-20)T()

02. Permanent Closure Plan Requirements. A permanent closure plan shall: (3-20-20)T

a. Identify the current owner of the cyanidation facility and the party responsible for the permanent closure and the long-term care and maintenance of the cyanidation facility; (3-20-20)T

b. Include a timeline showing: (3-20-20)T

i. The schedule to complete permanent closure activities, including neutralization of process waters and material stabilization, and the time period for which the operator shall be responsible for post-closure activities; and (3-20-20)T

ii. If the operator plans to complete construction, operation, and/or permanent closure of the cyanidation facility in phases, the schedule to begin each phase of construction, operation, and/or permanent closure activities and any associated post-closure activities. (3-20-20)T

c. Provide the objectives, methods, and procedures that will achieve neutralization of process waters and material stabilization during the closure period and through post-closure; (3-20-20)T

d. Provide a water management plan from the time the cyanidation facility is in permanent closure through the defined post-closure period. The plan shall be prepared in accordance with IDAPA 58.01.13, "Rules for Ore Processing by Cyanidation," administered by the DEQ, as required to meet the objectives of the permanent closure plan. (3-20-20)T

e. Include the schematic drawings for all BMPs that will be used during the closure period, through the defined post-closure period, and a description of how the BMPs support the water management plan, and an explanation of the water conveyance systems that are planned for the cyanidation facility. (3-20-20)T

f. Provide proposed post-construction topographic maps and scaled cross-sections showing the configuration of the final heap or tailing facility, including the final cap and cover designs and the plan for long-term operation and maintenance of the cap. Caps and covers used as source control measures for cyanidation facilities must be designed to minimize the interaction of meteoric waters, surface waters, and ground waters with wastes containing pollutants that are likely to be mobilized and discharged to waters of the state. Prior to approval of a permanent closure plan, engineering designs and specifications for caps and covers must ~~be signed and stamped by a~~ bear the imprint of an Idaho licensed professional engineer ~~registered in the state of Idaho that is both signed and dated by the engineer;~~ (3-20-20)T()

g. Include monitoring plans for surface and ground water during closure and post-closure periods, adequate to demonstrate water quality trends and to ensure compliance with the stated permanent closure objectives and the requirements of the chapter; (3-20-20)T

h. Provide an assessment of the potential impacts to soils, vegetation, and surface and ground waters for all areas to be used for the land application system and provide a mitigation plan, as appropriate. (3-20-20)T

i. Provide information on how the operator will comply with the Resource Conservation and Recovery Act, 42 U.S.C. Section 6901 et seq.; Idaho Hazardous Waste Management Act, Chapter 44, Title 39, Idaho Code; Idaho Solid Waste Management Act, Chapter 74, Title 39, Idaho Code; and appropriate state rules, during operation and permanent closure; (3-20-20)T

j. Provide sufficient detail to allow the operator to prepare an estimate of the reasonable costs to implement the permanent closure plan; (3-20-20)T

k. Provide an estimate of the reasonable estimated costs to complete the permanent closure activities specified in the permanent closure plan in the event the operator fails to complete those activities. The estimate shall: (3-20-20)T

i. Identify the incremental costs of attaining critical phases of the permanent closure plan and a proposed financial assurance release schedule; (3-20-20)T

ii. Assume that permanent closure activities will be completed by a third party whose services are contracted for by the Board as a result of a financial assurance forfeiture under Section 47-1513, Idaho Code, ~~and include:~~ (3-20-20)T

~~(1) All direct and indirect costs expected to be incurred by a third party including, but not limited to, mobilization, labor, materials, equipment, engineering, and demobilization costs; and (3-20-20)T~~

~~(2) An amount acceptable to the Department but not to exceed ten percent (10%) of the total estimated closure costs, which is intended to cover costs the Department will incur in association with contract administration. (3-20-20)T~~

l. If the proposal is to complete cyanidation facility construction, operation, and/or permanent closure activities in phases: (3-20-20)T

i. Describe how these activities will be phased and how, after the first phase of activities, each subsequent phase will be distinguished from the previous phase or phases; and (3-20-20)T

ii. Describe how any required post-closure activities will be addressed during and after each subsequent phase has begun. (3-20-20)T

m. Provide any additional information that may be required by the Department to ensure compliance with the objectives of the permanent closure plan and the requirements of the chapter. (3-20-20)T

03. Preapplication Conference. Prospective applicants are encouraged to meet with the Department well in advance of preparing and submitting an application package to discuss the anticipated application requirements and application procedures, and to arrange for a visit or visits to the proposed location of the cyanidation facility. The preapplication conference may trigger a period of collaborative effort between the Department, the DEQ, and the applicant in developing checklists to be used by the agencies in reviewing an application for completion, accuracy, and protectiveness. (3-20-20)T

04. Application Package for Permanent Closure. An application and its contents submitted to the Department shall be used to determine whether an applicant can complete all permanent closure activities in conformance with all applicable state laws. An application must provide information in sufficient detail to allow the director to make necessary application review decisions regarding cyanidation facility closure and protection of public health, safety, and welfare, in accordance with the chapter. A complete application package must be submitted to the Department. A complete application package for an operator proposing to use cyanidation shall consist of: (3-20-20)T

a. A Department application form completed, signed, and dated by the applicant. This form shall contain the following information: (3-20-20)T

i. Name, location, and mailing address of the cyanidation facility; (3-20-20)T

ii. Name, mailing address, and phone number of the operator. An out-of-state operator shall designate an in-state agent authorized to act on his behalf. In case of an emergency that requires actions to prevent environmental damage, both the operator and his agent will be notified; (3-20-20)T

iii. Land ownership status (federal, state, private or public); (3-20-20)T

- iv. The legal description to the quarter-quarter section of the location of the proposed cyanidation facility; and (3-20-20)T
- v. The legal structure (corporation, partnership, etc.) and primary place of business of the operator. (3-20-20)T
- b. Evidence that the applicant is authorized by the Secretary of State to conduct business in the state of Idaho; (3-20-20)T
- c. A permanent closure plan as prescribed in Subsection 071.02; (3-20-20)T
- d. The DEQ application and supporting materials; (3-20-20)T
- e. The ~~five thousand dollar (\$5,000) application processing and review fee~~, as defined in Subsection 071.05.a. (3-20-20)T()
- 05. Application Fee.** The application fee shall consist of two (2) parts: (3-20-20)T
 - a. Processing and review fee. (3-20-20)T
 - i. The applicant shall pay a nonrefundable five thousand dollar (\$5,000) fee upon submission of an application. Within thirty (30) days of receiving an application and this fee, the director shall provide a detailed cost estimate to the operator which includes a description of the scope of the Department's review; the assumptions on which the Department's estimate is based; and an itemized accounting of the anticipated number of labor hours, hourly labor rates, travel expenses and any other direct expenses the Department expects to incur, and indirect expenses equal to ten percent (10%) of the Department's estimated direct costs, as required to satisfy its statutory obligation pursuant to the chapter. (3-20-20)T
 - ii. If the Department's estimate is greater than five thousand dollars (\$5,000), the applicant may agree to pay a fee equal to the difference between five thousand dollars (\$5,000) and the Department's estimate, or may commence negotiations with the Department to establish a reasonable fee. (3-20-20)T
 - iii. If, within twenty (20) days from issuance of the Department's estimate, the Department and applicant cannot agree on a reasonable application processing and review fee, the applicant may appeal to the Board. The Board shall: (3-20-20)T
 - (1) Review the Department's estimate; (3-20-20)T
 - (2) Conduct a hearing where the applicant is allowed to give testimony to the Board concerning the Department's estimate; and (3-20-20)T
 - (3) Establish the amount of the application review and processing fee. (3-20-20)T
 - iv. If the fee is more than five thousand dollars (\$5,000), the applicant shall pay the balance of the fee within fifteen (15) days of the Board's decision or withdraw the application. (3-20-20)T
 - v. Nothing in this section shall extend the time in which the Board must act on a plan submitted. (3-20-20)T
 - b. Permanent closure cost estimate verification fee. (3-20-20)T
 - i. Pursuant to Sections 47-1506(g) and 47-1513(j), Idaho Code, the Department may employ a qualified independent party, acceptable to the operator and the Board, to verify the accuracy of the permanent closure cost estimate. (3-20-20)T

ii. The applicant shall be solely responsible for paying the Department's cost to employ a qualified independent party to verify the accuracy of the permanent closure cost estimate. The applicant may participate in the Department's processes for identifying qualified parties and selecting a party to perform this work. (3-20-20)T

iii. If a federal agency has responsibility to establish the financial assurance amount for permanent closure of a cyanidation facility on federal land, the Department may employ the firm retained by the federal agency to verify the accuracy of the permanent closure cost estimate. If the director chooses not to employ the firm retained by the federal agency, he shall provide a written justification explaining why the firm was not employed. (3-20-20)T

072. -- 079. (RESERVED)

080. PROCEDURES FOR REVIEW AND DECISION UPON AN APPLICATION FOR A RECLAMATION PLAN OR PERMANENT CLOSURE PLAN.

01. Return of Application. (3-20-20)T

~~a. — Mine reclamation.~~ Within thirty (30) days after receipt of a reclamation plan ~~or a permanent closure plan~~ by the Department, an application ~~for mining reclamation~~ may be returned for correction and resubmission if either the reclamation plan or ~~mine map(s)~~ ~~permanent closure plan~~ are incomplete. Return of an application by the director shall constitute a rejection in accordance with Section 47-1507(b), Idaho Code. (3-20-20)T()

~~b. — Permanent closure plans for cyanidation facilities.~~ Within thirty (30) days after receipt of a permanent closure plan by the Department, an application for permanent closure of a cyanidation facility may be returned for correction and resubmission, if the permanent closure plan does not meet the requirements of Section 071 of these rules. Return of an application by the director shall constitute a rejection in accordance with Section 47-1507(b), Idaho Code. (3-20-20)T

02. Agency Notification and Comments. (3-20-20)T

a. Nonconfidential materials submitted under Sections 069, 070, and 071 shall be forwarded by the director to the Idaho Departments of Water Resources, Environmental Quality, and Fish and Game for review and comment. The director may decide not to circulate applications submitted under Section 069 if the director determines the impacts of the proposed activities are minor and do not involve surface or ground waters. The director may provide public notice on receipt of a reclamation plan or permanent closure plan. In addition, nonconfidential contents of an application will be provided to individuals who request the information in writing, as required by the Idaho Public Records Act. (3-20-20)T

b. Upon receipt of a complete application for a reclamation plan or a permanent closure plan, the director shall provide notice to the cities and counties where the ~~surface~~-mining or cyanidation facility operation is proposed, in accordance with Section 47-1505(7), Idaho Code. The notice shall include the name and address of the operator, the procedure and schedule for the Department's review, and an invitation to review nonconfidential portions of the application, if requested in writing. Such notice will be provided upon receipt of a reclamation plan, a permanent closure plan, or an amended ~~or supplemental~~ plan for an existing operation, or an amended cost estimate to complete permanent closure of a cyanidation facility, if required under the chapter and these rules. (3-20-20)T()

03. Decision on Reclamation Plans. The director shall review a new reclamation plan or an amended ~~or supplemental~~ reclamation plan pursuant to Sections 47-1507 and 47-1508, Idaho Code. (3-20-20)T()

a. Approval. (3-20-20)T

i. Within sixty (60) days of receipt of an application that complies with Subsections 069 and 070 of these rules, the Department shall provide written notice to the applicant that the reclamation plan or any amendment(s) ~~or supplementary plan(s)~~ to an approved reclamation plan is approved or denied and, if approved, the amount of the financial assurance required; or (3-20-20)T()

ii. If the director does not take action within sixty (60) days, a reclamation plan or any amendments ~~or~~

~~supplementary plans~~ thereof shall be deemed to comply with the chapter, unless the sixty (60) day time period is extended pursuant to Section 47-1507(c), Idaho Code. (3-20-20)T()

iii. The operator and director may agree, in writing, to implement additional actions with respect to reclamation that extend beyond the requirements set forth in these rules. (3-20-20)T

b. Inspections. The director may determine that an inspection of the proposed mining site location is necessary if the inspection will provide additional information or otherwise aid in processing of the application. (3-20-20)T

i. If the director decides to perform an inspection, the applicant will be contacted and asked that he or an authorized employee or agent be present. This rule shall not prevent the Department from making an inspection of the site if the applicant does not appear. (3-20-20)T

ii. If weather conditions preclude an inspection of a proposed mining operation, the director shall provide written notice to the applicant that review of the reclamation plan or an amended ~~or supplementary~~ plan has been suspended until weather conditions permit an inspection, and that the schedule for a decision shall be extended for up to thirty (30) days after weather conditions permit such inspection in accordance with Section 47-1507(c), Idaho Code. (3-20-20)T()

04. Decision on Cyanidation Facility Permanent Closure Plans. Pursuant to Sections 47-1507 and 47-1508, Idaho Code, following review of a complete application, the director shall: (3-20-20)T

a. Coordination with DEQ. Initiate a coordinated interagency review of the application by providing a notice in writing to the DEQ director that the Department has received an application for permanent closure of a cyanidation facility; (3-20-20)T

b. Approval. (3-20-20)T

i. Within one-hundred eighty (180) days of receipt of an application that complies with Subsection 071.04 of these rules, the Department shall provide written notice to the applicant that the permanent closure plan is approved or denied and, if approved, the amount of the permanent closure financial assurance required; or (3-20-20)T

ii. If the director does not take action within one-hundred eighty (180) days, a permanent closure plan, or any amendments ~~or supplementary plans~~ thereof, shall be deemed to comply with the provisions of the chapter, unless the one hundred eighty (180) day time period shall be extended in accordance with Section 47-1507(c), Idaho Code. (3-20-20)T()

c. Inspections. The director may determine that it is necessary to inspect the proposed cyanidation facility location if the inspection will provide additional information or otherwise aid in processing of the application. (3-20-20)T

i. If the director determines to inspect the site, the applicant will be contacted and asked that he or an authorized employee or agent be present. The Department may proceed with an inspection if the applicant or his designated employee or agent does not appear. (3-20-20)T

ii. If weather conditions preclude an inspection of the proposed cyanidation facility, the director shall provide written notice to the applicant that processing of the application has been suspended until weather conditions permit an inspection, and that the schedule for a decision shall be extended for up to thirty (30) days after weather conditions permit such inspection in accordance with Section 47-1507(c), Idaho Code. (3-20-20)T

~~**05. Monitoring Data.** When the director determines, after consultation with the DEQ, that there is a reasonable potential for pollution of adjacent surface and ground waters, the director shall require the operator to provide baseline preproject surface and ground water monitoring information, and furnish additional monitoring data during the life of the project. This provision shall not require any additional baseline preproject monitoring information~~

~~or ongoing monitoring data where such data is already required to be provided under any federal or state law and is available to the director.~~ (3-20-20)T

0605. Permanent Closure Plan Approval. (3-20-20)T

a. The Department may condition its approval on issuance of a permit by the DEQ for the cyanidation facility. (3-20-20)T

Commented [EW3]: This refers to an IDL approval if DEQ has not approved yet. The IDL approval is just conditional.

b. Except for the concurrent and additional permanent closure requirements that may be established in a permit issued by the DEQ pursuant to Section 39-118A, Idaho Code and IDAPA 58.01.13, "Rules for Ore Processing by Cyanidation," an approved permanent closure plan shall define the nature and extent of the operator's obligation under the chapter. (3-20-20)T

c. The permanent closure plan, as approved by the Department in coordination with the DEQ, shall be incorporated by reference into the cyanidation facility permit issued by DEQ as a permit condition and shall be enforceable as such. The operator shall ensure that closure complies with the approved plan and any additional permanent closure requirements as outlined in the permit issued by DEQ. (3-20-20)T

d. No sooner than one hundred and twenty (120) days after an application for a permanent closure plan has been submitted to the Department, the applicant may submit a reclamation plan as required by Section 070 of these rules. The Department will review and approve the reclamation plan in accordance with Subsection 080. (3-20-20)T

e. Approval of a permanent closure plan by the Department is required even if approval of such plan has been or will be obtained from an appropriate federal agency. (3-20-20)T

0706. Denial of an Application. If the director rejects an application, the director shall deliver in writing to the applicant a statement of the reasons the application has been rejected, the factual findings upon which the rejection is based, a statement of the applicable statute(s) and rule(s), the manner in which the application failed to fulfill the requirements of these rules, and the action that must be taken or conditions that must be satisfied to meet the requirements of the chapter and these rules. The applicant may submit an amended application in accordance with Sections 069, 070 or 071 for review and, if appropriate, approval by the Department. The director shall deny a reclamation plan, permanent closure plan, or any amendments ~~or supplementary plans~~ thereof if: (3-20-20)T ()

a. The application is inaccurate or incomplete; (3-20-20)T

b. The cyanidation facility as proposed cannot be conditioned for construction, operation, and closure to protect public safety, health, and welfare, in accordance with the scope and intent of these rules, or to protect beneficial uses of the waters of the state, as determined by the DEQ pursuant to Section 39-118A, Idaho Code and IDAPA 58.01.13, "Rules for Ore Processing by Cyanidation" and other DEQ rules cited therein. (3-20-20)T

0807. Public Hearing. The director may call a public hearing to determine whether a proposed application complies with the chapter and these rules. A hearing shall be conducted in accordance with Section 110. (3-20-20)T

0908. Referral to Board. The director may refer the decision concerning an application to the Board. This action will not extend the time period for a decision to approve or deny an application. (3-20-20)T

1009. Appeal of Final Order. Any final order of the Board regarding an application for a mining reclamation plan or for permanent closure of a cyanidation facility may be appealed as set forth in Section 47-1514, Idaho Code. (3-20-20)T

081. -- 089. (RESERVED)

090. AMENDING AN APPROVED RECLAMATION PLAN.

01. Cause for Reclamation Plan Amendment. In the event circumstances arise that necessitate

amendments to an approved reclamation plan, the operator shall submit an application to amend the plan and state the reasons the amendment is necessary. Either the operator or the director may initiate a process to amend an approved reclamation plan. If the director identifies a material change he believes requires a change in the reclamation plan, the director must deliver in writing to the operator a detailed statement identifying the material change and the action(s) necessary to address the material changes. Plan amendments have the same requirements as described in Section 069 and 070 of these rules. (3-20-20)T

02. Review of Amendment. The director will process an application to amend a plan in accordance with Sections 080 and 110, provided, however, that no land or aspect or provision of an approved reclamation plan that would not be affected by the proposed amendment, shall be subject to the amendment, review or reapproval in connection with processing the application. Approval of an amendment shall not be conditioned upon the performance of any actions not required by the approved reclamation plan or the proposed amendment itself, unless the operator agrees to perform such actions. (3-20-20)T

03. Adjustments. Adjustments to an approved reclamation plan may be made by agreement between the director and the operator, if the adjustment is consistent with the overall objectives of the approved reclamation plan and so long as applicable surface and ground water quality standards will be met. Adjustments are due to changes that are smaller than material changes. (3-20-20)T()

091. AMENDING AN APPROVED PERMANENT CLOSURE PLAN.

01. Cause for Permanent Closure Plan Amendment. In the event circumstances arise that necessitate amendments to an approved permanent closure plan, the operator shall submit an application to amend the permanent closure plan and state the reasons the amendment is necessary. Either the operator or the director may initiate a process to amend an approved permanent closure plan. Circumstances that could require a permanent closure plan to be amended include: (3-20-20)T

- a. A material modification or material expansion in the cyanidation facility design or operation for which the approved permanent closure plan is no longer adequate; (3-20-20)T()
- b. Conditions substantially different from those anticipated in the original permit for which the approved permanent closure plan is no longer adequate; or (3-20-20)T()
- c. A material change as defined in Subsection 010.0809 of these rules. (3-20-20)T()

02. Modifications at an Operator's Request. Requests from an operator to modify a permanent closure plan shall be submitted to the Department in writing. The director shall process an application for amendment in accordance with Section 080. An application to amend a permanent closure plan shall include: (3-20-20)T

- a. A written description of the circumstances that necessitate the amendment; (3-20-20)T
- b. Data supporting the request; (3-20-20)T
- c. The proposed amendment; (3-20-20)T
- d. A description of how the amendment will impact the estimated cost to complete permanent closure pursuant to the chapter; (3-20-20)T
- e. A cost estimate to implement the amended permanent closure plan, prepared in accordance with Subsection 071.02 of these rules; and (3-20-20)T
- f. Payment of a reasonable fee as may be determined by the director in accordance with Section 47-1508, Idaho Code. (3-20-20)T

03. Modification at Request of Director. If, following consultation with the DEQ, the director determines that cause exists to amend the permanent closure plan the director shall notify the operator in writing of

his determination and explain the circumstances that have arisen which require the permanent closure plan to be amended. Within thirty (30) days or as agreed by the operator and the Department, the operator shall submit an application to amend the permanent closure plan in accordance with Subsection 091.02. (3-20-20)T

04. Adjustment. Adjustments to an approved permanent closure plan may be made by agreement between the director and the operator, if the adjustment is consistent with the overall objectives of the approved permanent closure plan and so long as **applicable** surface and ground water quality standards will be met. (3-20-20)T()

092. -- 099. (RESERVED)

100. DEVIATION FROM AN APPROVED RECLAMATION PLAN.

01. Unforeseen Events. If a mining operator finds that unforeseen events or unexpected conditions require immediate change from an approved plan, the operator may continue mining in accordance with the procedures dictated by the changed conditions, pending submission and approval of an amended plan, even though operations do not comply with the approved reclamation plan on file with the Department. This shall not excuse the operator from complying with the requirements of Sections 140 and 120. (3-20-20)T

02. Notification. The operator shall notify the director, in writing, within ten (10) days of the discovery of conditions that require deviation from the approved plan. A proposed amendment to the plan shall be submitted by the operator within thirty (30) days of the discovery of those conditions. (3-20-20)T

101. -- 109. (RESERVED)

110. PUBLIC HEARING.

01. Call for a Hearing. A public hearing called by the director following receipt of a complete application submitted in accordance with Sections 069, 070, or 071 shall be conducted in accordance with Section 47-1507(d), Idaho Code. The director may call for a hearing following his preliminary review of an application for a new operation or ~~a supplemental an amendment~~ application ~~of for~~ an existing operation when one (1) or more of the following circumstances arises: (3-20-20)T()

a. Public Concern. The public, potentially affected landowners, any governmental entity, or any other interested parties who may be affected by the operations proposed under the chapter have registered, in writing, a concern with the director regarding the proposed operations or cyanidation facility. The purpose of the public hearing shall be to gather written and oral comments as to whether the proposed reclamation plan or permanent closure plan meets the requirements of the chapter and these rules. (3-20-20)T

b. Agency Concern. The director determines, after consultation with the Department of Water Resources, DEQ, the Department of Fish and Game, and affected Indian tribes that the proposed mining or cyanidation facility operations could reasonably be expected to significantly degrade adjacent surface and/or ground waters or otherwise threaten public health, safety or welfare. The purpose of a public hearing held under this subsection will be to receive written and oral comments on the measures the operator is proposing to use to protect surface and/or ground water quality from nonpoint source pollution. (3-20-20)T

02. Consolidation. If the director determines that a hearing should be held, he shall order that such proceedings be consolidated. The applicant and the public must be advised of the specific subjects to be discussed at the hearing at least twenty (20) days prior to the hearing. The Department will coordinate with the DEQ, as appropriate, for any hearings relating to permanent closure of a cyanidation facility to streamline application processing. (3-20-20)T

03. Location. A hearing shall be held in the locality of the proposed mine or a proposed cyanidation facility at a reasonably convenient time and place for public participation. The director may call for more than one hearing when conditions warrant. (3-20-20)T

04. Notice of Hearing. The director shall provide at least twenty (20) days' advance notice of the date, time, and place of the hearing to: federal, state, and local governmental agencies, Indian tribes who may have an interest in the decision as shown on the application, and the public; to all persons who petitioned for a hearing; and to any person identified by the applicant under Subsection 070.02 as a legal owner of the land that will likely be affected by the proposed operations. Notice to the applicant must be sent by certified mail and postmarked not less than twenty (20) days before the scheduled public hearing date. (3-20-20)T

05. Publication of Notice. The director shall provide at least twenty (20) days advance notice to the general public of the date, time, and place of the hearing. A newspaper advertisement will be placed once a week, for two (2) consecutive weeks, in the locale of the area covered by the application. (3-20-20)T

a. In the event a hearing is ordered under Section 110, the notice shall describe: (3-20-20)T

i. The potentially significant surface water quality impacts from the proposed mining operation and the operator's description of the measures that will be used to prevent degradation of adjacent surface and ground waters from sources of pollution; or (3-20-20)T

ii. The objectives of a permanent closure plan that have been submitted for review. (3-20-20)T

b. A copy of the application shall be placed for review in a public place in the local area of the proposed mining operation or cyanidation facility, in the closest Department area office, and the Department's administrative office in Boise. (3-20-20)T

06. Hearing Officer. The hearing shall be conducted by the director or his designated representative. Both oral and written testimony will be accepted. Proceedings of the hearing will be recorded on audio tape and a verbatim transcript will be prepared. (3-20-20)T

07. Consideration of Hearing Record. The Department shall consider the hearing record when reviewing reclamation plans or permanent closure plans for final approval or rejection. (3-20-20)T

111. COMPLETION OF PERMANENT CLOSURE.

01. Implementation of a Permanent Closure Plan. Unless otherwise specified in the approved permanent closure plan, an operator must begin implementation of the approved permanent closure plan ~~as follows:~~ (3-20-20)T()

~~a. Within one (1) year of the final addition of new cyanide to the ore process circuit for small cyanidation processing or pilot facilities; or (3-20-20)T~~

~~ba. Within two (2) years of the final addition of new cyanide to the ore process circuit for all other cyanidation facilities; or (3-20-20)T()~~

~~eb. If the product recovery phase of the cyanidation facility has been suspended for a period of more than two (2) years. (3-20-20)T~~

02. Submittal of a Permanent Closure Report. The operator shall submit a permanent closure report to the Department for review and approval. A permanent closure report shall be of sufficient detail for the directors of the Department and DEQ to issue a determination that permanent closure, as defined by Subsection 010.13-15 of these rules, has been achieved. The permanent closure report shall address: (3-20-20)T()

a. The effectiveness of material stabilization; (3-20-20)T()

b. The effectiveness of the water management plan and the adequacy of the monitoring plan; (3-20-20)T()

c. The final configuration of the cyanidation facility and its operational/closure status; (3-20-20)T()

(3-20-20)T()

d. The post-closure operation, maintenance, and monitoring requirements, and the estimated reasonable cost to complete those activities. (3-20-20)T()

e. The operational/closure status of any land application site of the cyanidation facilities. (3-20-20)T()

f. Source control systems that have been constructed or implemented to eliminate, mitigate, or contain short- and long-term discharge of pollutants from the cyanidation facility, unless otherwise permitted. (3-20-20)T()

g. The short- and long-term water quality trends in surface and ground water through the statistical analysis of the existing monitoring data pursuant to the ore-processing by cyanidation permit. (3-20-20)T()

h. Ownership and responsibility for the site upon permanent closure during the defined post-closure period. (3-20-20)T()

i. The future beneficial uses of the land, surface and ground waters in and adjacent to the closed cyanidation facilities. and (3-20-20)T()

j. How the permanent closure of the cyanidation facility complies with the Resource Conservation and Recovery Act, Hazardous Waste Management Act, Solid Waste Management Act, and appropriate rules. (3-20-20)T

03. Review of a Permanent Closure Report. The Department will immediately forward a copy of the permanent closure report to DEQ for their review and comment. ()

112. DECISION TO APPROVE OR DISAPPROVE OF A PERMANENT CLOSURE REPORT.

01. **Receipt of a Permanent Closure Report.** Within sixty (60) days of receipt of a permanent closure report, the director shall issue to the operator a director's determination of approval or disapproval of the permanent closure report. (3-20-20)T

02. **Permanent Closure Report Is Disapproved.** The director's determination to approve or disapprove a permanent closure report shall be based on the permanent closure report's demonstration that permanent closure has resulted in long-term neutralization of process waters and material stabilization. If a permanent closure report is disapproved, the director shall provide in writing identification of: (3-20-20)T

a. Errors or inaccuracies in the permanent closure report. (3-20-20)T()

b. Issues or details which that require additional clarification. (3-20-20)T()

c. Failures to fully implement the approved permanent closure plans. (3-20-20)T()

d. Failures to ensure protection for public health, safety, and welfare or to prevent degradation of waters of the state. (3-20-20)T()

e. Outstanding violations or other noncompliance issues. and (3-20-20)T()

f. Other issues supporting the Department's disagreement with the contents, final conclusions or recommendations of the permanent closure report. (3-20-20)T()

113. -- 119. (RESERVED)

120. FINANCIAL ASSURANCE REQUIREMENTS FOR MINING.

01. Submittal of Financial Assurance Before Mining. Prior to beginning any mining on a mine panel covered by a reclamation plan, an operator shall submit to the director, on a Department ~~mine reclamation financial assurance~~ form, financial assurance meeting the requirements of this rule. If financial assurance is not received by the Department within eighteen (18) months of reclamation plan approval and operations have not begun, the Department will ~~notify the operator that financial assurance is required within twenty four (24) months of plan approval or the Department will~~ cancel the reclamation plan without prejudice. ~~The operator must then resubmit the reclamation plan application and correct application fee to restart the approval process prior to mining.~~ An extension to the ~~eighteen (18)~~ **twenty-four (24)** month period may be granted by the Department for reasonable cause given if the request is received prior to the end of that period. ~~If financial assurance is not received by the Department and no request for an extension has been received, the plan will be cancelled. The operator must then resubmit the reclamation plan application and application fee to restart the approval process.~~ (3-20-20)F()

02. Submittal of Financial Assurance Before Operating a Cyanidation Facility. Prior to beginning ~~construction or~~ operation of a cyanidation facility, but no later than ninety (90) days after approval of a permanent closure plan, an operator will submit to the director, on a Department form, financial assurance meeting the requirements of Section 47-1512(a)(2), Idaho Code. The financial assurance will be in an amount equal to the total costs estimated under subsection 071.02.k. and section 120 of these rules. ()

03. Phased Financial Assurance. If the Department approves a reclamation plan or permanent closure plan with phased financial assurance, then financial assurance may increase incrementally commensurate with the additional reclamation or permanent closure liability. After construction and operation of the initial phase has commenced and after filing by an operator of the initial financial assurance, an operator will not construct any component of a subsequent phase or phases of the subject mine or cyanidation facility before filing the additional financial assurance amount that is required by the Board. ~~If phased financial assurance is not authorized, the operator is required to file the financial assurance amount required to complete reclamation or permanent closure of all planned phases prior to any construction of the mine or operation of the cyanidation facility.~~ ()

0204. Financial Assurance for ~~Operations-Mines~~ With Five (5) or Less Disturbed Acres. Financial assurance will be a minimum of five thousand dollars (\$5,000) per acre unless the operator or the Department determine that the estimated reasonable costs of reclamation require a different amount. No financial assurance may exceed fifteen thousand dollars (\$15,000) for a given acre of affected land unless: ~~the conditions in subsection 120.06 of these rules have been met.~~ (3-20-20)F()

05. Financial Assurance for Cyanidation Facility Affecting Five (5) or Less Disturbed Acres. The Board may require financial assurance in excess of five million dollars (\$5,000,000) if the conditions in subsection 120.06 of these rules have been met. ()

06. Process for Requiring Higher Financial Assurance. Financial assurance in excess of the amounts in subsections 120.04 and 05 of this rule may only be obtained if: ()

a. The Board has determined that such financial assurance is necessary to meet the requirements of Sections 47-1506, 47-1509, 47-1510, and 47-1511, Idaho Code. ~~the chapter; and~~ (3-20-20)F()

b. The Board has delivered to the operator, in writing, a notice setting forth the reasons it believes such financial assurance is necessary. ~~; and~~ (3-20-20)F()

c. The Board has conducted a hearing where the operator is allowed to give testimony to the Board concerning the amount of the proposed financial assurance, as provided by Section 47-1512(e), Idaho Code. This requirement for a hearing may be waived, in writing, by the operator. (3-20-20)F()

0307. Financial Assurance for ~~Operation-Mine or Cyanidation Facility~~ With More Than Five (5) Disturbed Acres. The amount of financial assurance shall be the amount necessary for the Board to pay the estimated reasonable costs of reclamation required under the reclamation plan or permanent closure plan, including indirect costs in subsection 120.04 of these rules. (3-20-20)F()

08. Mobilization Costs are Direct Costs. Mobilization and demobilization costs will be included in

financial assurance calculations as a direct cost. Costs will be calculated to the mine from the nearest community that has at least two (2) contractors able to perform the reclamation. ()

0409. Indirect Costs for Reclamation Cost Calculations. Reclamation and permanent closure cost calculations shall include the following indirect costs and should fall within the percentages given. If a different percentage is used, then a justification must be given. Alternatively, an operator may propose the use of an industry recognized standardized reclamation cost estimation tool for use in reclamation and/or permanent closure cost estimates and the use of the tool's associated indirect costs which are established using the project direct costs as identified: (3-20-20)T()

~~a. Mobilization and demobilization costs from the nearest community that has at least two (2) contractors able to perform the reclamation; (3-20-20)T~~

~~ba. Contractor profit as a percentage at six percent to ten percent (6% to 10%) of direct costs; (3-20-20)T()~~

~~eb. Contractor overhead as a percentage at four percent to eight percent (4% to 8%) of direct costs; (3-20-20)T()~~

~~ec. Contractor insurance as a percentage at one and a half percent (1.5%) of labor costs; (3-20-20)T()~~

~~ed. Contractor bonding as a percentage at two and a half percent to three and a half percent (2.5% to 3.5%) of direct costs; (3-20-20)T()~~

~~fe. Contract administration as a percentage at five percent to 9 percent (5% to 9%) of direct costs; (3-20-20)T()~~

~~gf. Re-engineering for mines or cyanidation facilities with direct reclamation costs over five hundred thousand dollars (\$500,000). Re-engineering will be determined as a percentage at three percent to seven percent (3% to 7%) of direct costs; (3-20-20)T()~~

~~hg. Scope contingency at six percent to eleven percent (6% to 11%) of direct costs; ()~~

~~hh. Bid Contingency as a percentage at six percent to eleven percent (6% to 11%) of direct costs; and (3-20-20)T()~~

~~i. Other site specific costs as appropriate. (3-20-20)T~~

0510. Salvage Value Not Allowed. Reclamation or permanent closure costs will not be reduced by assigning a salvage value to structures or fixtures to be removed during reclamation. (3-20-20)T()

0611. Mining Operation Conducted by Public or Government. Notwithstanding any other provision of law to the contrary, the financial assurance provisions of the chapter and these rules do not apply to any surface mining operations conducted by a public or governmental agency for maintenance, repair, or construction of a public highway. (3-20-20)T

0712. Annual Financial Assurance Review for Reclamation Plans. At the beginning of each calendar year, the operator shall notify the director of any increase in the acreage of affected land beyond that covered by the existing financial assurance which will result from planned mining activity within the next twelve (12) months. A commensurate increase in the financial assurance will be required for an increase in affected acreage. Any additional financial assurance required shall be submitted on the appropriate form within ninety (90) days of operator's receipt of notice from the Department that an additional amount is required. In no event will mining operations be conducted that would affect additional acreage until the appropriate form and financial assurance has been with-submitted to the Department. Acreage on which reclamation is complete will be reported in accordance with Subsection 120.10-15 and after release of this acreage from the plan by the director, the financial assurance will be reduced by the amount

appropriate to reflect the completed reclamation. (3-20-20)T()

0813. Financial Assurance Provided to the Federal Government. Any financial assurance provided to the federal government that also meets the requirements of Section 120 shall be sufficient for the purposes of these rules. A mine providing financial assurance through an order under the Comprehensive Environmental Response, Compensation, and Liability Act is not required to submit financial assurance to the Department as described in Idaho Code 47-1512(n). (3-20-20)T()

0914. Financial Assurance Reduction for Mines. (3-20-20)T()

a. An operator may petition the director for a change in the initial financial assurance amount. The director will review the petition and if satisfied with the information presented a revised financial assurance amount will be determined. The revised amount will be based upon the estimated cost that the director would incur should a forfeiture of financial assurance occur and it became necessary for the director, through contracting with a third party, to complete reclamation to the standards established in the plan. (3-20-20)T

b. Upon finding that any land covered by financial assurance will not be affected by mining, the operator will notify the director. The amount of the financial assurance will be reduced by the amount being held to reclaim those lands. (3-20-20)T

c. Any request for financial assurance reduction will be answered by the director within thirty (30) days of receiving such request unless weather conditions prevent inspection. (3-20-20)T

1015. Financial Assurance Release Following Mine Reclamation. Upon completion of all or a portion of the reclamation or post-closure activity specified in the plan, the operator may notify the director of his desire to secure release from financial assurance. When the director has verified that the requirements of the reclamation plan have been substantially met as stated in the plan, the financial assurance will be released. (3-20-20)T()

a. Any request for financial assurance release will be answered by the director within thirty (30) days of receiving such request unless weather conditions prevent inspection. (3-20-20)T

b. If the director finds that a specific portion of the reclamation or post-closure activity has been satisfactorily completed, the financial assurance may be reduced to the amount required to complete the remaining reclamation. The following schedule will be used to complete these financial assurance reductions unless the director determines in a specific case that this schedule is not appropriate and specifies a different schedule: (3-20-20)T()

i. Sixty percent (60%) of the financial assurance may be released when the operator completes the required backfilling, regrading, topsoil replacement, and drainage control of a specific area in accordance with the approved reclamation plan; and (3-20-20)T

ii. After revegetation activities have been performed by the operator on the regraded lands, according to the approved reclamation plan, the Department may release an additional twenty-five percent (25%) of the financial assurance. (3-20-20)T

c. The remaining financial assurance shall not be released: (3-20-20)T

i. As long as the affected lands are contributing suspended solids to surface waters outside the affected area in excess of state water quality standards and in greater quantities than existed prior to the commencement of mining operations; (3-20-20)T

ii. Until final removal of equipment and structures related to the mining activity or until any remaining equipment and structures are brought under an approved reclamation plan and financial assurance by a new operator; and (3-20-20)T

iii. Until all temporary sediment or erosion control structures have been removed and reclaimed or until

such structures are brought under an approved reclamation plan and financial assurance by a new operator. (3-20-20)T

~~d16.~~ If an operator provides part of ~~a mine's~~ their financial assurance through a corporate guarantee, then the corporate guarantee will be released prior to any other type of financial assurance being released. Other types of financial assurance will only be released after the corporate guarantee has been completely released. (3-20-20)T()

~~117.~~ **Cooperative Agreements.** The director may through private conference, conciliation, and persuasion reach a cooperative agreement with the operator to correct deficiencies in complying with the reclamation plan and thereby postpone action to forfeit the financial assurance and cancel the reclamation plan if all deficiencies are satisfactorily corrected within the time specified by the cooperative agreement. (3-20-20)T

18. Permanent Closure Financial Assurance Review. The Department will periodically review all financial assurances filed for permanent closure to determine their sufficiency to complete the work required by an approved permanent closure plan. For reviews conducted under paragraphs a and b the director may employ a qualified independent party to verify the accuracy of the revised permanent closure cost estimate as described in Subsection 071.05.b. of these rules. ()

a. Once every three (3) years, the operator must submit an updated permanent closure cost estimate to the Department for review. The director will review the updated estimate to determine whether the existing financial assurance amount is adequate to implement the permanent closure plan, as approved by the Department. Any resulting change in the financial assurance amount does not in and of itself require an amendment to the permanent closure plan as may be required by Section 091 of these rules. The director will review the estimate to determine whether the existing financial assurance amount is adequate to complete permanent closure of the cyanidation facility. ()

b. When the director determines that there has been a material change in the estimated reasonable costs to complete permanent closure: ()

i. The director will notify the operator in writing of his intent to reevaluate the financial assurance amount. Within a reasonable time period determined by the Department, the operator will provide to the Department a revised cost estimate to complete permanent closure as approved by the Department. ()

ii. Within thirty (30) days of receipt of the revised cost estimate the director will notify the operator in writing of his determination of financial assurance adequacy. ()

iii. Within ninety (90) days of notification of the director's assessment, the operator will make the appropriate adjustment to the financial assurance or the director will reduce the financial assurance as appropriate. ()

c. The Department may conduct an internal review of the amount of each financial assurance annually to determine whether it is adequate to complete permanent closure. ()

19. Permanent Closure Financial Assurance Release. ()

a. A financial assurance filed for permanent closure of a cyanidation facility will be released according to the schedule in the permanent closure plan. The schedule will include provisions for the release of the post-closure monitoring and maintenance portions of the financial assurance. The schedule may be adjusted to reflect the operator's performance of permanent closure activities and their demonstrated effectiveness. ()

b. Upon completion of an activity required by an approved permanent closure plan, the operator may request in writing a financial assurance reduction for that activity. When the director, in consultation with DEQ, has verified that the activity meets the requirements of the permanent closure plan, the financial assurance will be reduced by an amount to reflect the activity completed. ()

c. Upon the director's determination that all activities specified in the permanent closure plan have

been successfully completed, the Department will, in accordance with Section 47-1512(i), Idaho Code, release the balance remaining after partial financial assurance releases. ()

120. Liabilities for Reclamation Costs Not Covered by Financial Assurance. An operator who is in violation of the following rules is not required to furnish financial assurance by these rules but fails to reclaim may be subject to civil penalty under Section 47-1513(c), Idaho Code. The amount of civil penalty will be the estimated cost of reasonable reclamation of affected lands as determined by the director. Reasonable reclamation of the site will be presumed to be in accordance with the standards established in the approved reclamation plan. The amount of the civil penalty is in addition to those described in Section 47-1513(f), Idaho Code. These violations include: (3-20-20)T()

a. Departs from his approved reclamation plan by performing an act or omission and such deviation is not subsequently approved; (3-20-20)T

b. Does not furnish financial assurance required by these rules; or (3-20-20)T

c. Is not required to furnish financial assurance by these rules, but fails to reclaim; (3-20-20)T

121. FINANCIAL ASSURANCE REQUIREMENTS FOR CYANIDATION FACILITIES.

01. Submittal of Financial Assurance Before Operating a Cyanidation Facility. Prior to beginning construction or operation of a cyanidation facility, but no later than ninety (90) days after approval of a permanent closure plan, an operator will submit to the director, on a Department permanent closure plan financial assurance form, financial assurance meeting the requirements of Section 47-1512(a)(2), Idaho Code. The financial assurance will be in an amount equal to the total costs estimated under subsection 071.02.k. of these rules. Upon application to the Department, the operator may apply and the director may approve financial assurance for each phase of closure on an incremental basis. If the Department authorizes phased financial assurance, then financial assurance may increase incrementally commensurate with the additional permanent closure liability. After construction and operation of the initial phase of a cyanidation facility has commenced and after filing by an operator of the initial permanent closure financial assurance, an operator will not construct any component of a subsequent phase or phases of the subject cyanidation facility before filing the additional permanent closure financial assurance amount that is required by the Board. If phased financial assurance is not authorized, the operator is required to file the financial assurance amount required to complete permanent closure of all planned phases prior to any construction. (3-20-20)T

02. Financial Assurance for Permanent Closure Plans Affecting Five (5) or Less Disturbed Acres. The Board may require financial assurance in excess of five million dollars (\$5,000,000) if the following conditions have been met: (3-20-20)T

a. The Board has determined that such a financial assurance is necessary to meet the requirements of the chapter; (3-20-20)T

b. The Board has delivered to the operator, in writing, a notice explaining the reasons such financial assurance is necessary; and (3-20-20)T

c. The operator is allowed to give testimony to the Board concerning the amount of the proposed financial assurance, as provided by Section 47-1512(d)(3), Idaho Code. This requirement for a hearing may be waived, in writing, by the operator. (3-20-20)T

03. Financial Assurance for Permanent Closure Plans Affecting More Than Five (5) Disturbed Acres. The amount of financial assurance shall be the amount necessary for the Board to pay the estimated reasonable costs of reclamation required under the permanent closure plan, including indirect costs in subsection 121.04 of these rules. (3-20-20)T

04. Indirect Costs for Permanent Closure Cost Calculations. Permanent closure cost calculations shall include the following indirect costs: (3-20-20)T

- ~~_____ a. _____ Mobilization and demobilization costs from the nearest community that has at least two (2) contractors able to perform the reclamation; (3-20-20)T~~
- ~~_____ b. _____ Contractor profit as a percentage of direct costs; (3-20-20)T~~
- ~~_____ c. _____ Contractor overhead as a percentage of direct costs; (3-20-20)T~~
- ~~_____ d. _____ Contractor insurance as a percentage of labor costs; (3-20-20)T~~
- ~~_____ e. _____ Contractor bonding as a percentage of direct costs; (3-20-20)T~~
- ~~_____ f. _____ Contract administration as a percentage of direct costs; (3-20-20)T~~
- ~~_____ g. _____ Re-engineering for cyanidation facilities with direct reclamation costs over five hundred thousand dollars (\$500,000). Re-engineering will be determined as a percentage of direct costs; (3-20-20)T~~
- ~~_____ h. _____ Contingency as a percentage of direct costs; and (3-20-20)T~~
- ~~_____ i. _____ Other site specific costs as appropriate. (3-20-20)T~~
- ~~_____ 05. _____ **Salvage Value Not Allowed.** Reclamation costs may not be reduced by assigning a salvage value to structures or fixtures to be removed during reclamation. (3-20-20)T~~
- ~~_____ 06. _____ **Other Government Agency Financial Assurance.** Upon a finding by the director that the financial assurance amount established by a federal agency is inadequate because it has not included one (1) or more permanent closure tasks required by the state, the Department may require the operator to file an additional financial assurance amount, as necessary, to satisfy the requirements of the chapter. (3-20-20)T~~
- ~~_____ 07. _____ **Financial Assurance Review.** The Department will periodically review all financial assurances filed for permanent closure to determine their sufficiency to complete the work required by an approved permanent closure plan. (3-20-20)T~~
 - ~~_____ a. _____ Once every three (3) years, the operator shall submit an updated permanent closure cost estimate to the Department for review. The director will review the updated estimate to determine whether the existing financial assurance amount is adequate to implement the permanent closure plan, as approved by the Department. Any resulting change in the financial assurance amount does not in and of itself require an amendment to the permanent closure plan as may be required by Section 091 of these rules. The director will review the estimate to determine whether the existing financial assurance amount is adequate to complete permanent closure of the cyanidation facility. (3-20-20)T~~
 - ~~_____ b. _____ When the director determines that there has been a material change in the estimated reasonable costs to complete permanent closure: (3-20-20)T~~
 - ~~_____ i. _____ The director will notify the operator in writing of his intent to reevaluate the financial assurance amount. Within a reasonable time period determined by the Department, the operator will provide to the Department a revised cost estimate to complete permanent closure as approved by the Department. (3-20-20)T~~
 - ~~_____ ii. _____ Within thirty (30) days of receipt of the revised cost estimate the director will notify the operator in writing of his determination of financial assurance adequacy. (3-20-20)T~~
 - ~~_____ iii. _____ Within ninety (90) days of notification of the director's assessment, the operator will make the appropriate adjustment to the financial assurance or the director will reduce the financial assurance as appropriate. (3-20-20)T~~
 - ~~_____ c. _____ The Department may conduct an internal review of the amount of each financial assurance annually to determine whether it is adequate to complete permanent closure. (3-20-20)T~~

~~_____d._____ For closure cost reviews conducted pursuant to Subsections 121.07.a. and 121.07.b., the director may employ a qualified independent party to verify the accuracy of the revised estimated costs to complete permanent closure. The qualified independent party will be employed and the operator will pay a reasonable fee pursuant to Subsection 071.05.b. (3-20-20)T~~

~~_____08._____ **Financial Assurance Reduction.** A financial assurance for permanent closure may be reduced if, during the Department's review of the financial assurance pursuant to Subsection 121.07, the estimated costs to complete permanent closure of the subject cyanidation facility will be lower than the amount held at that time. (3-20-20)T~~

~~_____09._____ **Financial Assurance Release During Permanent Closure.** (3-20-20)T~~

~~_____a._____ A financial assurance filed for permanent closure of a cyanidation facility will be released according to the schedule in the permanent closure plan. The schedule will include provisions for the release of the post closure monitoring and maintenance portions of the financial assurance. The schedule may be adjusted to reflect the operator's performance of permanent closure activities and their demonstrated effectiveness. (3-20-20)T~~

~~_____b._____ Upon completion of an activity required by an approved permanent closure plan, the operator may request in writing a financial assurance reduction for that activity. When the director, in consultation with DEQ, has verified that the activity meets the requirements of the permanent closure plan, the financial assurance will be reduced by an amount to reflect the activity completed. (3-20-20)T~~

~~_____c._____ Upon the director's determination that all activities specified in the permanent closure plan have been successfully completed, the Department will, in accordance with Section 47-1512(i), Idaho Code, release the balance remaining after partial financial assurance releases. (3-20-20)T~~

~~_____d._____ If an operator provides part of a cyanidation facility's financial assurance through a corporate guarantee, then the corporate guarantee will be released prior to any other type of financial assurance being released. Other types of financial assurance will only be released after the corporate guarantee has been completely released. (3-20-20)T~~

~~_____10._____ **Liabilities for Permanent Closure Costs Not Covered by Financial Assurance.** An operator who is in violation of the chapter or any provision of these rules may be subject to civil penalties under Section 47-1513, Idaho Code. (3-20-20)T~~

122. FORM OF FINANCIAL ASSURANCE.

01. Corporate Surety Bond. (3-20-20)T

a. A corporate surety bond is an indemnity agreement executed for the operator and a corporate surety licensed to do business in the state of Idaho, filed on the appropriate ~~Department~~ form ~~supplied by the director~~. The bond shall be payable to the state of Idaho and conditioned to require the operator to faithfully perform all requirements of the chapter, and the rules in effect on the date that a reclamation plan or a permanent closure plan was approved by the Department. (3-20-20)T(_____)

b. The surety company issuing the bond must, at a minimum, be among those listed as acceptable sureties in Circular 570 of the U.S. Department of the Treasury. (3-20-20)T

c. When replacement financial assurance is submitted, the following rider must be filed with the Department as part of the replacement before the existing financial assurance will be released: "[Surety company or principal] understands and expressly agrees that the liability under this bond shall extend to all acts for which reclamation is required on areas disturbed in connection with reclamation plan or closure plan [number], both prior to and subsequent to the date of this rider." (3-20-20)T

02. **Collateral Bond.** A collateral bond is an indemnity agreement executed by or for the operator, payable to the state of Idaho, pledging cash deposits, government securities, real property, time deposit receipts, or

certificates of deposit of any financial institution authorized to do business in the state. Collateral bonds shall be subject to the following conditions. (3-20-20)T

a. The director shall obtain possession of cash or other negotiable collateral bonds, and, upon receipt, deposit them with the state treasurer to hold them in trust for the purpose of bonding reclamation or permanent closure performance. (3-20-20)T

b. The director shall value the collateral at its current market value minus any penalty for early withdrawal, not its face value. (3-20-20)T

c. Certificates of deposit or time deposit receipts shall be issued or assigned, in writing, to the state of Idaho and upon the books of the financial institution issuing such certificates. Interest will be allowed to accrue and may be paid by the bank, upon demand and after written release by the Department, to the operator or another person who posted the collateral bond. (3-20-20)T

d. Amount of an individual certificate of deposit or time deposit receipt may not exceed the maximum amount insured by the Federal Deposit Insurance Corporation or Federal Savings and Loan Insurance Corporation or their successors. (3-20-20)T

e. Financial institutions issuing certificates of deposit or time deposit receipts will waive all rights of set-off or liens which it has or might have against such certificates, and will place holds on those funds that prevent the operator from withdrawing funds until the Department sends a written release to the bank. (3-20-20)T

f. Certificates of deposit and time deposit receipts shall be automatically renewable. (3-20-20)T

03. Letters of Credit. A letter of credit is an instrument executed by a bank doing business in Idaho, made at the request of a customer. A letter of credit states that the issuing bank will honor drafts for payment upon compliance with the terms of the credit. Letters of credit shall be subject to the following conditions. (3-20-20)T

a. All credits shall be irrevocable and prepared in a format prescribed by the director. (3-20-20)T

b. All credits must be issued by an institution authorized to do business in the state of Idaho or through a correspondent bank authorized to do business in the state of Idaho. (3-20-20)T

c. The account party on all credits must be identical to the entity identified in the reclamation plan or in the permanent closure plan and on the cyanidation facility permit as the party obligated to complete reclamation or permanent closure. (3-20-20)T

04. Real Property. Real property used as a collateral bond must be a perfected, first lien security interest in real property located within the state of Idaho, in favor of the state of Idaho, which meets the requirements of these rules using a deed of trust form acceptable to the Department for all lands 40 acres or less, or a mortgage form approved by the Department. (3-20-20)T

a. The following information must be submitted for real property collateral: (3-20-20)T

i. The value of the real property. The property will be valued at the difference between the fair market value and any reasonable expense anticipated by the Department in selling the property. The fair market value will be determined by an appraisal conducted by a licensed appraiser. The appraiser will be selected by the Department and the Department will provide appraisal instructions; however, the operator may propose an appraiser to the Department. The appraisal will be performed in a timely manner, and a copy sent to the Department and the operator. The expense of the appraisal will be borne by the operator. The real property will be reappraised every three (3) years; (3-20-20)T

ii. A description of the property and a site improvement survey plat to verify legal descriptions of the property and to identify the existence of recorded easements; (3-20-20)T

iii. Proof of ownership and title to the real property; (3-20-20)T

iv. A current title binder which provides evidence of clear title containing no exceptions, or containing only exceptions acceptable to the director; and (3-20-20)T

v. Phase I environmental assessment. (3-20-20)T

b. Real property will not include any lands in the process of being mined, reclaimed, or planned to be mined under an approved reclamation plan. The operator may offer any lands within a reclamation plan that have received full release of financial assurances. In addition, any land used as a security will not be mined or otherwise disturbed while it is a security. The acceptance of real property within the permit boundary will be at the discretion of the Director. (3-20-20)T

05. Trusts. Trusts are subject to the requirements of Sections 47-1512(1) and 68-1, Idaho Code. The proposed trustee, range of investments, initial funding, schedule of payments, trustee fees, and expected rate of return are subject to review and approval by the Department through a memorandum of agreement with the operator. Trusts are also subject to the following conditions: (3-20-20)T

IDL Note: Will research whether or not 05.a. is needed:

a. The joint party on the trust must be identical to the entity identified in the reclamation plan or in the permanent closure plan as the party obligated to complete reclamation or permanent closure. (3-20-20)T

b. The trustee must be an entity which has the authority to act as a trustee and whose trust operations are regulated and examined by a federal or state agency. (3-20-20)T

c. Equities may include stock funds or stock index funds, but not individual stocks or direct investments in the operator's company or parent company. Corporate equities must not exceed seventy percent (70%) of the total value of the trust fund. (3-20-20)T

IDL Note: Need to discuss 05.d. with EFIB to see if this is needed:

d. Bonds or money market funds must be investment-grade rated securities having a Standard and Poor's rating of AAA or AA or an equivalent rating from a nationally recognized securities rating service. (3-20-20)T

e. Payments into the trust will be made as follows: (3-20-20)T

i. When used to cover reclamation or post-closure costs, the trust fund will be initially funded in an amount at least equal to the costs estimated in the approved reclamation or post-closure plan for reclamation of existing surface disturbances covered by the chapter and any surface disturbances to occur in the first year of the trust fund. Annual payments to keep pace with increased disturbance and reclamation costs will occur as needed no later than thirty (30) days after each annual anniversary of the date of the initial payment. (3-20-20)T()

Commented [IDL4]: 7-17-20 note: "post-closure" should be "permanent closure"

ii. When used to cover a portion of reclamation or post-closure costs in combination with other types of financial assurance, the initial and annual payments will be the pro-rata amount of the reclamation or post-closure costs as described in subparagraph 122.05.e.i of these rules. (3-20-20)T()

Commented [IDL5]: 7-17-20 note: "post-closure" should be "permanent closure"

iii. When used to cover the anticipated post-closure costs, a payment schedule will be created in the memorandum of agreement. The post-closure costs must be fully funded by the time the post-closure period occurs. (3-20-20)T

f. Disbursements from the trust will only occur upon written authorization of the Department. (3-20-20)T

g. Trusts will be irrevocable. (3-20-20)T

h. Income accrued on trust funds will be retained in the trust, except as otherwise agreed by the director

under the terms of an agreement governing the trust. (3-20-20)T

06. Corporate Guarantees. (3-20-20)T

a. Up to fifty percent (50%) of required financial assurance for reclamation costs may be provided by a corporate guarantee. Post-closure costs for reclamation plans and permanent closure plans cannot be covered by a corporate guarantee. (3-20-20)T

b. Only operators who submit plans under Sections 070 or 071 of these rules may provide a corporate guarantee. (3-20-20)T

c. Operators who want to provide financial assurance through a corporate guarantee must provide an audited financial statement from a third-party certified public accountant ~~licensed in Idaho~~ that meets the requirements of IDAPA 01.01.01. The audited financial statement must show the operator meets two (2) of the following three (3) criteria and the criteria in paragraph d of this section: ~~(3-20-20)T()~~

i. Ratio of total liabilities to stockholder's equity is less than two (2) to one (1); (3-20-20)T

ii. Ratio of sum of net income plus depreciation, depletion, and amortization to total liabilities greater than ten one-hundredths (0.1) to one (1); or (3-20-20)T

iii. Ratio of current assets to current liabilities greater than one and fifty one-hundredths (1.5) to one (1). (3-20-20)T

d. The following financial criteria must also be met for a corporate guarantee: (3-20-20)T

i. Net working capital and tangible net worth are each equal to or greater than the total reclamation or permanent closure cost estimate; (3-20-20)T

ii. Tangible net worth of at least ten million dollars (\$10,000,000); and (3-20-20)T

iii. At least ninety percent (90%) of the corporation's total assets are in the United States, or the total assets in the United States are at least six (6) times greater than total reclamation or permanent closure cost estimate. (3-20-20)T

IDL Note: Is paragraph "e" needed:

e. If the operator is a partnership or joint venture, each partner or member of the entity will sign an indemnity agreement in favor of the State of Idaho that binds each partner or member who has a beneficial interest, directly or indirectly, in the operator. The indemnity agreement must be signed by the partners or members who are authorized to bind their partnership or joint venture. The indemnity agreement will bind each partner or member jointly and severally. The operator must provide a copy of the agreement to the Department with an affidavit certifying that such an agreement is valid under all applicable federal and state laws. (3-20-20)T

f. A corporate guarantee can be provided by a parent company guarantor if that guarantor meets the conditions of paragraphs (c) and (d) in this section as if it were the operator. The terms of this corporate guarantee will provide for the following: (3-20-20)T

i. The operator and the parent company will submit to the Department an indemnity agreement signed by corporate officers from both companies who are authorized to bind their corporations. The operator or parent company must also provide an affidavit certifying that such an agreement is valid under all applicable federal and state laws. The indemnity agreement will bind each party jointly and severally; (3-20-20)T

ii. If the operator fails to complete reclamation or permanent closure, the parent company guarantor will do so or the guarantor will be liable under the indemnity agreement to provide funds to the Department sufficient to complete reclamation or permanent closure as per the plan, but not to exceed the financial assurance amount; (3-20-20)T

iii. The corporate guarantee will remain in force unless the parent company guarantor sends notice of cancellation by certified mail to the operator and to the Department at least ninety (90) days in advance of the cancellation date, and the Department accepts the cancellation; and (3-20-20)T

iv. The cancellation will be accepted by the Department only if the operator obtains replacement financial assurance before the cancellation date or if the lands for which the corporate guarantee, or portion thereof, was accepted have not been disturbed. (3-20-20)T

g. The operator, or parent company guarantor, is required to either complete the approved reclamation or closure plan for the lands in default, or pay to the Department an amount necessary to complete the approved reclamation, not to exceed the amount established in Sections 120 ~~or 121~~ of these rules. Any indemnity agreement under forfeiture will operate as a judgment against those parties liable under the indemnity agreement. (3-20-20)T()

h. The operator or parent company guarantor will submit an annual update of the information required under paragraphs (c) and (d) of this section by April 1 following the issuance of the corporate guarantee. (3-20-20)T

i. If the operator or parent company guarantor's financial fitness falls below the eligibility for providing a corporate guarantee they will immediately notify the Department, and the Department will require the operator to submit replacement financial assurance within ninety (90) days of being notified. (3-20-20)T

j. The Department may require the operator or parent company guarantor to provide an update of the information in paragraphs (c) and (d) in this section at any time. The update must be provided within thirty (30) days of being requested. The requirements of paragraph (i) in this Section will then apply. (3-20-20)T

07. Blanket Financial Assurance. Where an operator is involved in more than one (1) reclamation plan or permanent closure plan permitted by the Department, the director may accept a blanket financial assurance in lieu of separate reclamation or permanent closure financial assurances under the approved plans. The amount of such financial assurance shall be equal to the total of the requirements of the separate financial assurances being combined into a single financial assurance, as determined pursuant to Section 47-1512, Idaho Code, and in accordance with Sections 120 ~~and 121~~ of these rules. The principal shall be liable for an amount no more than the financial assurance filed for completion of reclamation activities or permanent closure activities if the Department takes action against the financial assurance pursuant to Section 47-1513, Idaho Code and Section 123 of these rules. (3-20-20)T()

08. Reclamation Fund. Reclamation plans processed under Section 069 of these rules may provide financial assurance through the Reclamation Fund established by Section 47-18, Idaho Code, and IDAPA 20.03.03. If financial assurance is provided through the Reclamation Fund, no other type of financial assurance may be combined with it on an individual mine site. (3-20-20)T

09. Multiple Forms of Financial Assurance Accepted. An operator may combine more than one type of financial assurance, within the limitations of each type of financial assurance, to reach the full amount of the required financial assurance for a reclamation plan or permanent closure plan. ()

123. FORFEITURE OF FINANCIAL ASSURANCE.
A financial assurance may be forfeited in accordance with Section 47-1513, Idaho Code, when the operator has not conducted the reclamation or has not conducted permanent closure in accord with an approved plan and the applicable requirements of these rules. (3-20-20)T

124. -- 129. (RESERVED)

130. TRANSFER OF APPROVED PLANS.

01. Reclamation Plans. A reclamation plan may be transferred from one (1) operator to another only after the Department's approval. To complete a transfer, the new applicant must file a notarized assumption of reclamation plan form as prescribed by the Department and provide replacement financial assurance. The new operator

then shall be responsible for the past operator's obligations under the chapter, these rules, and the reclamation plan. (3-20-20)T

02. Permanent Closure Plans. An approved permanent closure plan permit may be transferred to a new operator if he provides written notice to the director that includes a specific date for transfer of permanent closure responsibility, coverage, and liability between the old and new operators no later than ten (10) days after the date of closure. An operator shall be required to provide such notice at the same time he provides notice to the DEQ as required IDAPA 58.01.13, "Rules for Ore Processing by Cyanidation." To complete a transfer, the new applicant must: (3-20-20)T

- a. File a notarized assumption of permanent closure plan form as prescribed by the Department; and (3-20-20)T
- b. File a replacement permanent closure plan financial assurance on a form approved by the Department. (3-20-20)T

131. -- 139. (RESERVED)

140. BEST MANAGEMENT PRACTICES AND RECLAMATION FOR MINING OPERATION AND PERMANENT CLOSURE OF CYANIDATION FACILITIES.

These are the minimum standards expected for all activities covered by these rules. Specific standards for individual mines may be appropriate based on site specific circumstances, and must be described in the plan. (3-20-20)T

01. Nonpoint Source Control. (3-20-20)T

a. Appropriate BMPs for nonpoint source controls shall be designed, constructed, and maintained with respect to site-specific mining operations or permanent closure activities. Operators shall utilize BMPs designed to achieve state water quality standards and to protect existing beneficial uses of adjacent waters of the state. State water quality standards, as administered by DEQ, shall be the standard that must be achieved by BMPs. (3-20-20)T

b. If the BMPs utilized by the operator do not result in compliance with Subsection 140.01.a., the director shall require the operator to modify or improve such BMPs to meet the controlling, water quality standards as set forth in current laws, rules, and regulations. (3-20-20)T

02. Sediment Control. In addition to proper mining techniques and reclamation measures, the operator shall take necessary steps at the close of each operating season to assure that sediment movement associated with surface runoff over the area is minimized in order to achieve water quality standards, or to preserve the condition of water runoff from the mined area prior to commencement of the subject mining or exploration operations, whichever is the more appropriate standard. Sediment control measures refer to best management practices carried out within and, if necessary, adjacent to the disturbed area and consist of utilization of proper mining and reclamation measures, as well as specific necessary sediment control methods, separately or in combination. Specific sediment control methods may include, but are not limited to: (3-20-20)T

- a. Keeping the disturbed area to a minimum at any given time through progressive reclamation; (3-20-20)T
- b. Shaping waste to help reduce the rate and volume of water runoff by increasing infiltration; (3-20-20)T
- c. Retaining sediment within the disturbed area; (3-20-20)T
- d. Diverting surface runoff around the disturbed area; (3-20-20)T
- e. Routing runoff through the disturbed area using protected channels or pipes so as not to increase sediment load; (3-20-20)T

f. Use of riprap, straw dikes, check dams, mulches, temporary vegetation, or other measures to reduce overland flow velocities, reduce runoff volume, or retain sediment; and (3-20-20)T

g. Use of adequate sediment ponds, with or without chemical treatment. (3-20-20)T

03. Clearing and Grubbing. Clearing and grubbing of land in preparation for mining exposes mineral soil to the erosive effects of moving water. Operators are cautioned to keep such areas as small as possible (preferably no more than one (1) year's mining activity) as the operator shall be required to meet the applicable surface water quality standards on all such areas. Where practicable, trees and slash should be stockpiled for use in seedbed protection and erosion control. (3-20-20)T

04. Overburden/Topsoil. To aid in the revegetation of affected lands where mining operations result in the removal of substantial amounts of overburden including any topsoil, the operator should remove the available topsoil or other growth medium as a separate operation for such area. Unless there are previously affected lands which are graded and immediately available for placement of the newly removed topsoil or other growth medium, the topsoil or other growth medium shall be stockpiled and protected from erosion and contamination until such areas become available. (3-20-20)T

a. Overburden/Topsoil Removal. (3-20-20)T

i. Any overburden/topsoil to be removed should be removed prior to any other mining activity to prevent loss or contamination; (3-20-20)T

ii. Where overburden/topsoil removal exposes land area to potential erosion, the director, under the reclamation plan, may require BMPs necessary to prevent violation of water quality standards; and (3-20-20)T

iii. Where the operator can show that an overburden material other than topsoil is conducive to plant growth, or where overburden other than topsoil is the only material reasonably available, such overburden may be allowed as a substitute for or a supplement to the available topsoil. (3-20-20)T

b. Topsoil Storage. Topsoil stockpiles shall be placed to minimize rehandling and exposure to excessive wind and water erosion. Topsoil stockpiles shall be protected as necessary from erosion by use of temporary vegetation or by other methods which will control erosion, including, but not limited to, silt fences, chemical binders, seeding, and mulching. (3-20-20)T

c. Overburden Storage. Stockpiled ridges of overburden shall be leveled in such a manner as to have a minimum width of ten (10) feet at the top. Peaks of overburden shall be leveled in such a manner as to have a minimum width of fifteen (15) feet at the top. The overburden piles shall be reasonably prepared to control erosion using best management practices; such activities may include terracing, silt fences, chemical binders, seeding, mulching or slope reduction. (3-20-20)T

d. Topsoil Placement. Abandoned affected lands shall be covered with topsoil or other type of overburden that is conducive to plant growth, to the extent such materials are readily available, in order to achieve a stable uniform thickness. Excessive compaction of overburden and topsoil is to be avoided. Topsoil redistribution shall be timed so that seeding, or other protective measures, can be readily applied to prevent compaction and erosion. (3-20-20)T

e. Fill. Backfill and fill materials should be compacted in a manner to ensure stability. (3-20-20)T

05. Roads. (3-20-20)T

a. Roads must be constructed to minimize soil erosion, which may require restrictions on the length and grade of the roadbed, surfacing of roads with durable non-toxic material, stabilization of cut and fill slopes, and other techniques designed to control erosion. (3-20-20)T

b. All access and haul roads must be adequately drained. Drainage structures may include, but are not

limited to, properly installed ditches, water-bars, cross drains, culverts, and sediment traps. (3-20-20)T

c. Culverts that are to be maintained for more than one (1) year must be designed to pass peak flows from not less than a twenty (20) year, twenty-four (24) hour precipitation event and have a minimum diameter of eighteen (18) inches. (3-20-20)T

d. Roads and water control structures will be maintained at periodic intervals as needed. Water control structures serving to drain roads must not be blocked or restricted in any manner to impede drainage or significantly alter the intended purpose of the structure. (3-20-20)T

e. Roads that will not be recontoured to approximate original contours upon abandonment will be cross-ditched and revegetated, as necessary, to control erosion. (3-20-20)T

f. Roads that are not abandoned and continue to be used under the jurisdiction of a governmental or private landowner, will comply with the nonpoint source sediment control provisions of Subsection 140.02 until the successor assumes control. (3-20-20)T

06. Backfilling and Grading. (3-20-20)T

a. Every operator who conducts mining or cyanidation facility operations which disturb less than two (2) acres shall, where possible, contour the disturbed land to its approximate previous contour. These lands shall be revegetated in accordance with Subsection 140.11. (3-20-20)T

b. An operator who conducts mining or cyanidation facility operations which disturb two (2) acres or more shall reduce all waste piles and depressions to the lowest practicable grade. This grade shall not exceed the angle of repose or maximum slope of natural stability for such waste or generate erosion in which sediment enters waters of the state. (3-20-20)T

c. Backfill and fill materials should be compacted in a manner to ensure mass and surface stability. (3-20-20)T

d. After the disturbed area has been graded, slopes will be measured for consistency with the approved reclamation plan or the permanent closure plan. (3-20-20)T

07. Disposal of Waste in Areas Other Than Mine Excavation. Waste material not used to backfill mined areas shall be transported and placed in a manner designed to stabilize the waste piles and control erosion. (3-20-20)T

a. The available disposal area should be on a moderately sloped, naturally stable area. The site should be near the head of a drainage to reduce the area of watershed above the fill. (3-20-20)T

b. All surface water flows within the disposal area shall be diverted and drained using accepted engineering practices such as a system of French drains, to keep water from entering the waste pile. These measures shall be implemented in accordance with standards prescribed by the Idaho Stream Channel Protection Act, Title 42, Chapter 38, Idaho Code, and the Idaho Dam Safety Act, Sections 42-1710 through 42-1721, Idaho Code, if applicable. (3-20-20)T

c. The waste material not used in backfilling mined areas should be compacted, where practical, and should be covered and graded to allow surface drainage and ensure long-term stability. (3-20-20)T

d. The operator may, if appropriate, use terraces or slope reduction to stabilize the face of any fill. Slopes of the fill material should not exceed angle of repose or generate erosion in which sediment enters waters of the state. (3-20-20)T

e. Unless adequate drainage is provided through a fill area, all surface water above the fill shall be diverted away from the fill area into protected channels, and drainage shall not be directed over the unprotected face

of the fill. (3-20-20)T

f. The operator shall conduct revegetation activities with respect to such waste piles in accordance with Subsection 140.11. (3-20-20)T

08. Settling Ponds; Minimum Criteria. (3-20-20)T

a. Sediment Storage Volume. Settling ponds shall provide adequate sediment storage capacity to achieve compliance with applicable water quality standards and protect existing beneficial uses, and may require periodic cleaning and proper disposal of sediment. (3-20-20)T

b. Water Detention Time. Settling ponds shall have an adequate theoretical detention time for water inflow and runoff entering the pond, but theoretical detention time may be reduced by improvements in pond design, chemical treatment, or other methods. (3-20-20)T

c. Emergency Spillway. In addition to the sediment storage volume and water detention time, settling ponds shall be designed to withstand and release storm flows as required by the Idaho Dam Safety Act, Section 42-1710 through 42-1721, Idaho Code, and Safety of Dams Rules, where applicable. (3-20-20)T

09. Tailings Impoundments-Facilities. All tailings ponds, dams, or other types of tailings impoundments-facilities shall be designed, constructed, operated, and decommissioned so that upon their abandonment, the dam and impoundment area will not constitute a hazard to human or animal life. (3-20-20)T()

a. Design criteria, construction techniques, and decommission techniques for tailings dams and impoundments shall comply with the Idaho Dam Safety Act, Sections 42-1710 through 42-1721, Idaho Code, and applicable rules and regulations. (3-20-20)T

b. Topsoil shall be removed from the area to be affected by the impounding structure, and tailings reservoir pond, or other tailings facilities in accordance with Subsection 140.04. (3-20-20)T()

c. Abandonment and Decommissioning of Tailings Impoundments. (3-20-20)T

i. Dewatering. Tailings ponds shall be dewatered to the extent necessary to provide an adequate foundation for the approved post-mining use. (3-20-20)T

ii. Control of surface waters. Surface waters shall either be channeled around the reservoir and impoundment structure or through the reservoir and breached structure. Permanent civil structures shall be designed and constructed to implement either method of channeling. The structure shall provide for erosion-free passage of waters and adequate energy dissipation prior to entry into the natural drainage below the impounding structure. (3-20-20)T

iii. Detoxification. Hazardous chemical residues within the tailings pond shall be detoxified or covered with an adequate thickness of non-toxic material, to the extent necessary to achieve water quality standards in adjacent surface waters of the state. (3-20-20)T()

iv. Reclamation. After implementing the required dewatering, detoxification, and surface drainage control measures, the reservoir and impounding structure shall be covered with topsoil or other material conducive to plant growth, in accordance with Subsection 140.04. Where such soils are limited in quantity or not available, and upon approval by the Department, physical or chemical methods for erosion control may be used. All such areas are to be revegetated in accordance with Subsection 140.11, unless specified otherwise. (3-20-20)T

d. When the operator requests termination of its reclamation or permanent closure plan, pursuant to Section 150 of these rules, impoundment structures and any reservoirs retained as fresh water reservoirs after final reclamation or permanent closure shall be required to conform with the Idaho Dam Safety Act, Sections 42-1710 through 42-1721, Idaho Code, if applicable. (3-20-20)T

10. Permanent Cessation and Time Limits for Planting. (3-20-20)T

a. Seeding and planting of affected lands ~~and~~ or a permanently closed cyanidation facility should be conducted during the first normal period for favorable planting conditions after final seedbed preparation.

~~(3-20-20)T~~ ()

b. Reclamation activities, where possible, are encouraged to be concurrent with the mining operation and may be included in the approved reclamation plan. Final reclamation must begin within one (1) year after the mining operations have permanently ceased on a mine panel. If the operator permanently ceases disposing of overburden on a waste area or permanently ceases removing minerals from a pit or permanently ceases using a road or other affected land, the reclamation activity on each given area must start within one (1) year of such cessation, despite the fact that all operations as to the mine panel, which included such pit, road, overburden pile, or other affected land, has not permanently ceased. (3-20-20)T

c. An operator shall be presumed to have permanently ceased mining operations on a given portion of affected land when no substantial amount of mineral or overburden material has been removed or overburden placed on an overburden dump, or no significant use has been made of a road during the prior three (3) years. If an operator does not plan to use an affected area for three (3) or more years but intends thereafter to use the affected area for mining operations and desires to defer final reclamation until after its subsequent use, the operator must submit a notice of intent and request for deferral of reclamation to the director, in writing. If the director determines that the operator plans to continue the operation within a reasonable period of time, the director shall notify the operator and may require actions to be taken to reduce degradation of surface resources until operations resume. If the director determines that use of the affected land for mining operations will not be continued within a reasonable period of time, the director may proceed as though the mining operation has been abandoned, but the operator will be notified of such decision at least thirty (30) days before taking any formal administrative action. (3-20-20)T

11. Revegetation Activities. (3-20-20)T

a. The operator shall select and establish plant species that can be expected to result in vegetation comparable to that growing on the affected lands or on a closed cyanidation facility prior to mining or cyanidation facility operations, respectively. Certified weed free seed should be used in revegetation. The operator may use available technical data and results of field tests for selecting seeding practices and soil amendments which will result in viable revegetation. These practices of selection may be included in an approved reclamation plan or permanent closure. (3-20-20)T

b. Unless otherwise specified in the approved reclamation or permanent closure plan, the success of revegetation efforts shall be measured against the existing vegetation on site prior to the mining or cyanidation facility operation, or against an adjacent reference area supporting similar types of vegetation. (3-20-20)T

i. The ground cover of living plants on the revegetated area should be comparable to the ground cover of living plants on the adjacent reference area for two (2) full growing seasons after cessation of soil amendment or irrigation. (3-20-20)T

ii. For purposes of this rule, ground cover shall be considered comparable if it has, on the area actually planted at least seventy percent (70%) of the premining ground cover for the mined area or adjacent reference area; (3-20-20)T

iii. For locations with an average annual precipitation of more than twenty-six (26) inches, the director, in approving a reclamation or permanent closure plan, may set a minimum standard for success of revegetation as follows: Vegetative cover of seventy percent (70%) for two (2) full growing seasons in areas planted to herbaceous species only; or fifty percent (50%) vegetative cover for two (2) full growing seasons and six hundred (600) woody plants per acre in areas planted to a mixture of herbaceous and woody species. (3-20-20)T

iv. As used in this section, "herbaceous species" means grasses, legumes, and other forbs; "woody plants" means woody shrubs, trees, and vines; and "ground cover" means the area of the ground surface covered by

the combined aerial parts of vegetation and the litter that is produced naturally on-site, expressed as a percentage of the total area measured. Rock surface areas will be excluded from this calculation. (3-20-20)T

v. For previously mined areas that were not reclaimed to the standards required by Section 140, and which are affected by the mining or cyanidation facility operations, vegetation should be established to the extent necessary to control erosion, but shall not be less than that which existed before redisturbance; and (3-20-20)T

vi. Vegetative cover shall not be less than that required to control erosion. (3-20-20)T

c. Introduced species may be planted if they are known to be comparable to previous vegetation, or if known to be of equal or superior use for the approved post-mining use of the affected land, or, if necessary, to achieve a quick, temporary cover for soil stabilization purposes. Species classified as poisonous or noxious weed species shall not be used in revegetation. (3-20-20)T

d. By mutual agreement of the director, the landowner, and the operator, a site may be converted to a different, more desirable or more economically suitable habitat. (3-20-20)T

e. Planting of grasses and forbs should be done in a manner which promotes rapid stabilization of the soil surface. Wherever terrain permits, grasses and forbs should be drilled or compacted into the ground using agricultural grass planting equipment or other seeders specifically designed for mine revegetation applications. Broadcast and hydroseeding may be used on areas where other methods are impractical or unavailable. (3-20-20)T

f. The operator should plant shrubs or shrub seed, as required, where shrub communities existed prior to mining. Shrub seed may be planted as a portion of a grass seed mix or planted as bare-root transplants after grass seeding. Where the landowner desires a specific land use such as grazing or cropland, shrubs will not be required in the revegetation species mix. Shrub lands undergoing revegetation with shrubs shall be protected from erosion by vegetation, chemical, or other acceptable means during establishment of the shrubs. (3-20-20)T

g. Reforestation. Tree stocking of forestlands should meet the following criteria: (3-20-20)T

i. Trees that are adapted to the site should be planted on the area to be revegetated in a density which can be expected over time to yield a timber stand comparable to premining timber stands; (3-20-20)T

ii. Trees shall be established for two (2) full growing seasons after cessation of any soil amendments and irrigation before they are considered to be established; and (3-20-20)T

iii. Forestlands undergoing revegetation with trees should be protected from erosion by vegetation, chemical binders, or other acceptable means during seedling establishment. (3-20-20)T

h. Revegetation is not required on the following areas: (3-20-20)T

i. Affected lands, or portions thereof, where planting is not practicable or reasonable because the soil is composed of excessive amounts of sand, gravel, shale, stone, or other material to such an extent to prohibit plant growth; (3-20-20)T

ii. Any mined area or overburden stockpiles proposed to be used in the mining operations for haulage roads, so long as those roads are not abandoned; (3-20-20)T

iii. Any mined area or overburden stockpile, where lakes are formed by rainfall or drainage runoff from adjoining lands; (3-20-20)T

iv. Any mineral stockpile; (3-20-20)T

v. Any exploration trench which will become a part of a pit or an overburden disposal area; and (3-20-20)T

vi. Any road which is to be used in mining operations, so long as the road is not abandoned. (3-20-20)T

i. **Mulching.** Mulch should be used on severe sites and may be required by the reclamation or permanent closure plan where slopes are steeper than three to one (3:1) or the mean annual rainfall is less than twelve (12) inches. When used, straw or hay mulch should be obtained from certified weed free sources. "Mulch" means vegetation residues or other suitable materials to aid in the stabilization of soil and soil moisture conservation which will provide a micro-climate more suitable for germination and growth on severe sites. Annual grains such as rye, oats, and wheat may be used as a substitute for mulch where they will provide adequate protection and will be replaced by permanent species within a reasonable length of time. (3-20-20)T

12. Petroleum-Based Products and Chemicals. All refuse, chemical and petroleum products and equipment should be stored and maintained in a designated location away from surface water and disposed of in such a manner as to prevent their entry into a waterway. (3-20-20)T

141. -- 149. (RESERVED)

150. TERMINATION OF A PLAN.

01. Terminate upon Request of the Operator. A reclamation plan shall terminate upon request of the operator, upon inspection by the director, and a determination that all reclamation activity has been completed to the standards specified in the plan, and following final approval by the director. Upon termination, the director will release the remaining financial assurance, notify the operator, and any authority to conduct any mining operations under the subject plan shall terminate. (3-20-20)T

02. Terminate a Permanent Closure Plan. The director shall terminate a permanent closure plan upon request of the operator, provided all the provisions and objectives of the permanent closure plan have been met, as determined by the director under Sections 111 and 112 of these rules. Upon a determination that permanent closure has been completed in accordance with the approved permanent closure plan and upon consultation with the DEQ that the operator's request to terminate a plan should be approved, the director will notify the operator that any authority to continue cyanidation operations shall cease and he will release the balance of the financial assurance in accordance with Subsection ~~421.09~~ **120.19 of these rules.** (3-20-20)T (_____)

151. -- 154. (RESERVED)

155. FIVE (5) YEAR UPDATES AND PERIODIC INSPECTIONS.

01. Five (5) Year Updates. The Department may require permitted mines to submit an update on their mining operation at least every five (5) years. The update will be on a Department form, and will be used to assist the Department in determining whether or not adjustments are needed for financial assurance or if a plan amendment is required due to a material change. Failure by an operator to complete the form and return it to the Department, or an operator providing false statements on the form, may result in the penalties in Section 47-1513(g), Idaho Code. (3-20-20)T

02. Right of Inspection. Authorized representatives of the Department have the right to enter upon lands affected or proposed to be affected by exploration, mining operations, or cyanidation facilities to determine compliance with the reclamation or permanent closure plans and these rules. Inspections will be conducted at reasonable times in the presence of the operator or his authorized representative. The operator shall make such a person available for the purpose of inspection. This rule does not prevent the Department from making an inspection of the site if the operator fails to make a representative available on request. (3-20-20)T

03. Frequency of Inspection. (3-20-20)T

a. Mining operations with an approved reclamation plan will be inspected at least once every five (5) years to determine compliance with the approved plan and adequacy of the financial assurance. Inspections may need to be more frequent due to the large size, rapid pace of mining, complexity of an operation, or high financial assurance.

(3-20-20)T

b. Cyanidation facilities with an approved closure plan will be inspected as often as is needed, but at least once a year. (3-20-20)T

156. -- 159. (RESERVED)

160. ENFORCEMENT AND FAILURE TO COMPLY.

01. **Financial Assurance Forfeiture.** Upon request by the director, the attorney general may institute proceedings to have the financial assurance for reclamation or permanent closure forfeited for violation of an order entered pursuant to Section 47-1513, Idaho Code and these rules. (3-20-20)T

02. **Civil Penalty.** An operator with no financial assurance, or an operator who violates these rules by performing an act which is not included in an approved reclamation plan or an approved permanent closure plan that is not subsequently approved by the Department, will be subject to a civil penalty as authorized by Section 47-1513(c), Idaho Code. (3-20-20)T

03. **Injunctive Procedures.** The director may seek injunctive relief and proceed with legal action, if necessary, to enjoin a mine operator or cyanidation facility operator who violates the provisions of the chapter, these rules, or the terms of an existing approved reclamation or permanent closure plan. Any such action will follow the procedures established in Section 47-1513, Idaho Code. (3-20-20)T

04. **Appeal of Final Order.** An operator dissatisfied with a final order of the Board may within sixty (60) days after receiving the order, file an appeal in accordance with Section 47-1514, Idaho Code. (3-20-20)T

161. -- 169. (RESERVED)

170. COMPUTATION OF TIME.

Computation of time will be based on calendar days. In computing any period of time prescribed by the chapter, the day on which the designated period of time begins is excluded. The last day of the period is included unless it is a Saturday, Sunday or legal holiday when the Department is not open for business. In such a case, the time period runs until the end of the next day which is not a Saturday, Sunday or legal holiday. Intermediate Saturdays, Sundays or legal holidays are excluded from the computation when the period of prescribed time is seven (7) days or less. (3-20-20)T

171. -- 179. (RESERVED)

180. PUBLIC AND CONFIDENTIAL INFORMATION.

01. **Information Subject to Disclosure.** Information obtained by the Department pursuant to the chapter and these rules is subject to disclosure under Title 74, Chapter 1, Idaho Code ("Public Records Act"). (3-20-20)T

02. **Use by Board.** Any plans, documents, or materials submitted as confidential and held as such shall not prohibit the Board, director, or Department from using the information in an administrative hearing or judicial proceeding initiated pursuant to Section 47-1514, Idaho Code. (3-20-20)T

03. **Plans and BMPs.** An operator will not unreasonably designate as confidential portions of reclamation or permanent closure plans which detail proposed BMPs to meet state surface and ground water quality standards. Confidential portions of reclamation or permanent closure plans may be shared with DEQ in its coordinating role under these rules, as reasonably necessary. (3-20-20)T

181. -- 189. (RESERVED)

190. DEPOSIT OF FORFEITURES AND DAMAGES.

All fees, penalties, forfeitures, and civil damages collected pursuant to the chapter, will be deposited with the state treasurer in the following accounts as appropriate: (3-20-20)T

01. Mine Reclamation Fund. The mine reclamation fund to be used by the director for mined land reclamation purposes and to administer the reclamation provisions of the chapter and these rules. (3-20-20)T

02. Cyanidation Facility Closure Fund. The cyanidation facility closure fund to be used by the director to complete permanent closure activities and to administer the permanent closure provisions of the chapter and these rules. (3-20-20)T

191. -- 199. (RESERVED)

200. COMPLIANCE OF EXISTING RECLAMATION PLANS.

0201. Approval Plans Approved Prior to 2019. Reclamation plans approved prior to July 1, 2019, or reclamation plans that have permanently ceased operations prior to July 1, 2019, are not subject to the 2019 legislative amendments to the chapter regarding financial assurance and post-closure. New reclamation plans or plan amendments received after July 1, 2019, will be subject to the 2019 legislative amendments to the chapter. (3-20-20)T()

0302. Submittal Plans Submitted in 2019. Reclamation plan applications submitted prior to July 1, 2019, but not yet approved, have until July 1, 2020 to submit post-closure plans and financial assurances as described in the 2019 legislative amendments to the chapter. (3-20-20)T()

201. -- 999. (RESERVED)