

Annual Status F	-	
	COLUMBIA	

JTHORIZATION NUMBER: JTHORIZATION TYPE: GAL AUTHORIZATION HOLDER NAME:

CONDITION NUMBER	CONDITION DESCRIPTION	COMPLIANT? (Yes/No/ND)	ACTION TAKEN
Section 1	AUTHORISED DISCHARGES		
Section 1.1	This subsection applies to the discharge of effluent from the NORTH COAL MINING OPERATION AND COAL PREPARATION PLANT. The site reference number for this discharge is E207409		
Section 1.1.1	The maximum and average authorized rates of discharge are 0.32 m ³ /s and 0.08 m ³ /s respectively. The authorized discharge period is 365 d/a.	No	The maximum flow rate observed was below 0.32 m3/s. The average annual flow rate was 1.2 % above permitted rates (0.094 m3/s). Refer to the Annual Report, Section (6.1.1). Average calculated as an "annual average" over 365 d/a. Appendix I, Table 25.
Section 1.1.2	The characteristics of the discharge shall not exceed the specified permit limits (See 1.1.2 of PE7008).	Yes	All parameters were within the specified permit limits.
Section 1.1.5	The location of the facilities from which the discharge originates is Block 26, Block 120 and Block 148. Comox Land District.	Yes	N/A
Section 1.1.6	The location of the point of discharge is Block 120, Comox Land District.	Yes	N/A
Section 1.2	This subsection applies to the discharge of effluent from the SOUTH COAL MINING OPERATION. The site reference number for this discharge is £218582.		
Section 1.2.1	The maximum and average authorized rates of discharge are 0.46 m ³ /s and 0.10 m ³ /s, respectively. The authorized discharge period is 365 d/a.	Yes	Both annual maximum flow (0.349 m3/s) and annual average flow (0.024 m3/s) were well below the permitted rates . Refer to the Annual Report, Section (6.2).
Section 1.2.2	The characteristics of the discharge from the South Mining Operation shall not exceed the specified permit limits.	Yes	Annual Report, Section (82.1)
Section 1.2.3	The authorized works are surface runoff collection and diversion ditches, flocculation facilities, settling pond, 3 pit sumps (1S, 2S and 3S Pits), an adit sump (4S Adit), pumping facilities, and related appurtenances approximately located.	No	Permit amendment needs to occur to remove 1S , 4S audit sump. The flocculation facilities include the treatment system cells Aeration lagoon and Settling pond.
Section 1.2.5	The location of the facilities from which the discharge originates is Block 98 and Block 149, Comox Land District.	Yes	N/A
Section 1.2.6	The location of the point of discharge is Block 149,Comox Land District.	Yes	N/A
Section 1.3-1.3.6	This subsection applies to the discharge of effluent from the BLOCK 242 COAL MINING OPERATION as shown on attached Site Plan C. The site reference number for this discharge is £225796.	Yes	No discharge occurred from this site during 2022-2023. Site is non-operational and reclaimed. November 1, 2019 permit amendment authorized removing monitoring from the permit.
Section 1.4	This subsection applies to the discharge of effluent from the 7 SOUTH MINING OPERATION. The site reference number for this discharge is E292069.	Yes	N/A
Section 1.4.1	The maximum authorized rate of discharge is 0.005 m ³ /s. The authorized discharge period is 365 d/a.	Yes	Discharge did not occur in 2022 /2023.
Section 1.4.2	The characteristics of the discharge from the 7 South Mining Operation shall not exceed the	Yes	Discharge did not occur in 2022 /2023.
Section 1.4.5	Specified permit limits. The location of the facilities and point of discharge is Block 120, Comox Land District, except part in plan 12164, 13574, 13641, VIPS3617 and VIP64817.	Yes	N/A
Section 2 Section 2.1	Specific Requirements North Coal Mining and Coal Preparation Plant Operation (Settling Pond #4)		
Section 2.1.1	Rate of Discharge: The maximum flow of 0.32 m ³ /s is the peak routed outflow from the settling pond resulting from the following inputs: a) The assumed response of the gravity fed catchment area defined in Subsection 2.1.3 up to a 1 in 10 year return period rainfall of 24 hour duration; and b) The maximum combined pumping rate from the 2-North portal sump, 2-North underground workings, and the tailings facility, as specified in Subsection 2.1.2. The Director may from time to time redefine the maximum outflow based upon actual on-site measurements.	Yes	Combined pumping rates from all of 2-North mine are, including catchment of precipitation is measured continuously at Settling Pond #4 discharge. See Appendix I, Table 25.
Section 2.1.2	Pumping Rate: The combined rate at which effluent may be pumped from the 2-North portal sump, 2-North underground workings and the tailings facility to the settling pond shall not exceed 0.32 m ³ /s unless authorization has been obtained from the Director. Pumping rates shall be decreased as necessary to accommodate flows as defined in Subsection 2.1.1 (a).	Yes	Combined pumping rates from all of 2-North mine are, including catchment of precipitation is measured continuously at Settling Pond #4 discharge. See Appendix I, Table 25.
Section 2.1.3	Catchment Area: The gravity drained settling pond catchment area shall not exceed 4 hectares unless authorization has been obtained from the Director.	Yes	N/A
Section 2.1.4	Wash Plant Effluent: Wash plant effluent shall not be conveyed to the 2-North pit sump via the wash plant ditch. The Permittee shall keep records of the date, duration and estimated volume of any overflow from the wash plant effluent sump. Subject to review of this data, the Director may request changes to the works.	Yes	When operating all fine tailing are directed to the tailings impoundment or underground 2-North Mine. No mining has occurred.
Section 2.1.5	Settling Pond Solids and Storage Volume: Settled solids which have accumulated in the settling pond shall be removed as required to maintain a minimum water depth below the pond decant of 1.0 m and a minimum water storage volume of 2,300 m ³ . The removed solids shall be disposed of in a manner approved by the Director.	No	Settled solids in the settling pond have not accumulated to a point that requires them to be removed. Settled solids have accumulated to a point that requires them to be removed (1.0m) only around the decant riser. The pond has sufficient volume.
Section 2.1.6	Discharge Routing: The discharge from the settling pond shall be conveyed to Middle Quinsam Lake in a manner acceptable to the Director.	Yes	N/A
Section 2.1.7	Effluent Characteristics (for Total Suspended Solids): The characteristics of the effluent with respect to total suspended solids shall be equivalent to or less than the levels specified in Subsection 1.1.2 for discharge rates of up to 0.32 m ³ /s (or as may be redefined by the Director according to Subsection 2.1.1). Variances may be allowed by the Director for higher discharge rates. The Director may as well, in the future, establish a maximum level for total suspended solids during extreme storm events.	Yes	All TSS results were within permit limits. See Appendix 1, Table 5.
Section 2.2	South Coal Mining Operation (Settling Pond #1)		
Section 2.2.1	Rate of Discharge: The maximum flow of $0.46~{\rm m}^3/{\rm s}$ is the peak routed outflow from the settling pond resulting from an assumed response of the maximum equivalent catchment area as defined in Subsection 2.2.2 to a design 1 in 10 year return period rainfall of 24 hour duration. The Director may from time to time redefine the maximum routed outflow based upon actual on-site measurements.	Yes	See Appendix I, Table 26.
Section 2.2.2	Catchment Area: The maximum equivalent settling pond catchment area shall not exceed 68.4 hectares as defined in the South Pit Water Management. Settling Pond 1, Quinsam Coal Project. Ker, Priestman and Associates Limited, March 1990 unless authorization has been obtained from the Director.	Yes	N/A
Section 2.2.3	Settling Pond Solids and Storage Volume: Settled solids which have accumulated in the settling pond shall be removed as required to maintain a minimum water depth below the pond decant of 1.0 m and a minimum water storage volume of 1400 m ³ . The removed solids shall be disposed of in a manner approved by the Director.	Yes	Settled solids in the settling pond have not accumulated to a point that requires them to be removed.
Section 2.2.4	Discharge Routing: The discharge from the settling pond shall be conveyed to Long Lake through the adjacent wetlands as specified in Figure 1, South Pit Water Management. Settling Pond 1, Quinsam Coal Project, Ker, Priestman and Associates Limited, March 1990.	Yes	N/A
	•	160	·

Effluent Characteristics (for Total Suspended Solids): The characteristics of the effluent with respect to total suspended solids shall be equivalent to or fest than the levels specified in Subsection 12.3.1 Variances may be a defined by the Director according to Section 2.3.1.1 Variances may be a colleged by the Director of according to Section 2.3.1.1 Variances may be a colleged by the Director of according to Section 2.3.1.1 Variances may be a colleged by the Director of the Director may swell, in the future, establish a maximum level for total suspended solids during extreme storm events. Section 2.4.2 South Mining Operation Setting Pond Rate of Obscharge: The maximum flow of 0.00s m³/s is the peak routed outflow from the settling pond resulting from an a source response of the maximum equivalent catchment area as defined in subsection 2.4.1 to a design in all by law return period of 2.4 hour duration. Section 2.4.2 Pumping Rate: The Permittee shall keep records of the date, duration and estimated volume when water from the 7 South Adit Sump (7.8 Partial Sump) is pumped to the settling pond and submit the records to the Regional Waste Manager upon request. Section 2.4.3 Catchment Area: The maximum settling pond catchment area shall not exceed 3.14 hictares as defined in the Surface Waster Management Plan - 7 South Development Quinnam Mining. Golder Associates, April 12, 2012 (Appendix B) unless authorization has been obtained from the Olivector. Section 2.4.3 Section 2.4.4 Sociates, April 12, 2012 (Appendix B) unless authorization has been obtained from the South Respective to maintain an imminimum water orange volume of 3.0 m in a manner approved by the Director. Section 2.4.5 Section 2.4.5 Sociates, April 12, 2012 (Appendix B) unless authorization has been obtained from the Guinsam River in a manner acceptable Quint to maintain a 1.0 m cover a discharge at appropriate levels. There has been far less TSS exceedances with new practice. Section 2.4.6 Sociates, April 12, 2012 (Appendix B) unless author
Section 2.4.1 Section 2.4.2 Section 2.4.3 Section 2.4.3 Section 2.4.4 Section 2.4.4 Section 2.4.4 Section 2.4.5 Section 2.4.5 Section 2.4.5 Section 2.4.6 Sectio
Section 2.4.1 as settling pond resulting from an assumed response of the maximum equivalent catchment area as defined in subsection 2.4.2 to a design in 10 year return period of 2.4 hour duration. Additional flow from the 75 adits important period of 2.4 hour duration. Additional flow from the 75 adits important period of 2.4 hour duration. Additional flow from the 75 adits important period of 2.4 hour duration. Additional flow from the 75 adits important period of 2.4 hour duration. Pumping Rate: The Permittee shall keep records of the date, duration and estimated volume when water from the 75 outh Adit Sump (75 Portal Sump) is pumped to the settling pond and submit the records to the Regional Waste Manager upon request. Section 2.4.3 defined in the Surface Water Management plan -7 South Periodel poment Quinsam Mine, Golder Associates, April 12, 2012 (Appendix B) unless authorization has been obtained from the Director. Section 2.4.4 Section 2.4.4 of 1.0 m and a minimum water storage volume of 340 m². The removed solids shall be disposed of in a manner approved by the Director. Section 2.4.5 Section 2.4.5 Section 2.4.5 Section 2.4.6 Section 2.4.6 Section 3.2. Section 3.2. Section 3.4.6 Section 3.4.6 Section 3.2. Section 4.4.6 Section 3.4.6 Section 3.2. Section 5.4.6 Section 6.3 and Appendix 1. Table 3.0 (No discharge and submitted to the point of the Director in the Environmental Procedures Manual required in Section 3.2.
when water from the 7 South Adit Sump (7S Portal Sump) is pumped to the settling pond and submit the records to the Regional Waste Manager upon request. Catchment Area: The maximum settling pond catchment area shall not exceed 3.14 hectares as defined in the Surface Water Management Plan - 7 South Development Quinsam Mine, Golder Associates, April 12, 2012 (Appendix B) unless authorization has been obtained from the Director. Settling Pond Solids and Storage Volume: Settled solids which have accumulated in the settling pond shall be removed as required to maintain a minimum water depth below the pond decant of 1.0 m and a minimum water storage volume of 340 m³. The removed solids shall be disposed of in a manner approved by the Director. Section 2.4.5 Discharge Routing: The discharge from the settling pond shall be conveyed to the Quinsam River via an ephemeral stream (Stream I) and a wetland (Lower Wetland) adjacent the Quinsam River in a manner acceptable to the Director. Section 2.4.6 Section 2.4.6 Section 2.4.6 Section 2.4.6 Wes Therefore no records exist. All water from 7-South Development Quinsam River via an ephemeral stream (Stream I) and a wetland (Lower Wetland) adjacent the Quinsam River via an ephemeral stream (Stream I) and a wetland (Lower Wetland) adjacent the Quinsam River via an ephemeral stream (Stream I) and a wetland (Lower Wetland) adjacent the Quinsam River via an ephemeral stream (Stream I) and a wetland (Lower Wetland) adjacent the Quinsam River via an ephemeral stream (Stream I) and a wetland (Lower Wetland) adjacent the Quinsam River via an ephemeral stream (Stream I) and a wetland (Lower Wetland) adjacent the Quinsam River via an ephemeral stream (Stream I) and a wetland (Lower Wetland) adjacent the Quinsam River via an ephemeral stream (Stream I) and a wetland (Lower Wetland) adjacent the Quinsam River via an ephemeral stream (Stream I) and a wetland (Lower Wetland) adjacent the Quinsam River via an ephemeral stream (Stream I) and a wetland (Lower Wetland) adjacent the Quins
Section 2.4.3 defined in the Surface Water Management Plan -7 South Development Quinsam Mine, Golder Associates, April 12, 2012 (Appendix B) unless authorization has been obtained from the Director. Section 2.4.4 Secting Pond Solids and Storage Volume: Settled solids which have accumulated in the settling pond shall be removed as required to maintain a minimum water depth below the pond decant of 1.0 m and a minimum water storage volume of 340 m³. The removed solids shall be disposed of in a manner approved by the Director. Section 2.4.5 Discharge Routing: The discharge from the settling pond shall be conveyed to the Quinsam River via an ephemeral stream (Stream I) and a wetland (Lower Wetland) adjacent the Quinsam River via an ephemeral stream (Stream I) and a wetland (Lower Wetland) adjacent the Quinsam River via an enhancer acceptable to the Director. Section 2.4.6 Settling Pond Discharge Dilution Ratio: The 7-South settling pond must not discharge unless a minimum flow is measured in Stream 1 (75 monitoring site). The minimum Stream 1 to discharge artios shall be documented to the satisfaction of the Director in the Environmental Procedures Manual required in Section 3.2. Settling Pond Discharge Cocurred) validated the model.
Section 2.4.4 Section 2.4.5 Section 2.4.6 Sectio
Section 2.4.5 via an ephemeral stream (Stream I) and a wetland (Lower Wetland) adjacent the Quinsam River in a manner acceptable to the Director. Settling Pond Discharge Dilution Ratio: The 7-South settling pond must not discharge unless a minimum flow is measured in Stream 1 (75 monitoring site). The minimum Stream 1 to discharge ratio shall be documented to the satisfaction of the Director in the Environmental Procedures Manual required in Section 3.2. Refer to the Annual Report, Appendix I, Table 27 (No discharge occurred). Refer to the Annual Report, Section 6.3 and Appendix I, Table 30 (No discharge occurred). Previous Annual reports (where discharge occurred) validated the model.
Section 2.4.6 minimum flow is measured in Stream 1 (7S monitoring site). The minimum Stream 1 to discharge ratio shall be documented to the satisfaction of the Director in the Environmental Procedures Manual required in Section 3.2. Never to the Annual Report, Section 6.3 and Appendix 1, Table 30 (No discharge occurred). Previous Annual reports (where discharge occurred) validated the model.
Sattling Read Discharge Effluent Quality Model Validation: The Descritors shall separate as the
Settling Pond Discharge Effluent Quality Model Validation: The Permittee shall report on the settling pond performance in the annual report. The purpose of the report is to validate the effluent water quality prediction model using actual flow and water quality data. The Director may amend the permit, if required, or request an amendment of the permit for environmental protection based on the report findings. Settling Pond Discharge Effluent Quality Model Validation: The Permittee shall report on the settling pond performance in the annual report. The purpose of the report is to validate the Permit or environmental protection based on the report findings. Settling Pond Discharge Effluent Quality Model Validation: The Permittee shall report on the settling pond performance in the annual report. The purpose of the report is to validate the Permit or very model. Previous Annual reports (where discharge occurred) validated the model.
Contingency Measures: In the event of a 7-South settling pond discharge permit limit exceedance, the settling pond discharge valve must be closed immediately and the effluent must temporarily be diverted to the 5S mine or 7S mine underground workings, or to another area acceptable to the Director. Details of the contingency measures shall be documented in the Environmental Procedures Manual required under Section 3.2. Additionally, the Permittee shall follow Section 3.9 requirements. The 7-South settling pond water is directed to 7-5 Sump via pumping. Refer the Annual Report Section 2.1.3 and Figure 3. Details of the contingency measures are documented in the Environmental Procedures Manual (EPM).
Section 2.4.9 Toxicity Failure Monitoring and Reporting Procedures Yes There have been no toxicity failures in the past. Toxicity samples were not collected due to zero discharge.
Section 3.2 Environmental Procedures Manual (EPM) Yes There were no updates required for the EPM in 2022.
Section 3.2 Environmental Procedures Manual (EPM) Section 3.3 Acid Generation Control Yes There were no updates required for the EPM in 2022. N/A
Section 3.2 Environmental Procedures Manual (EPM) Yes There were no updates required for the EPM in 2022.
Section 3.2 Environmental Procedures Manual (EPM) Yes There were no updates required for the EPM in 2022. Section 3.3 Acid Generation Control Yes N/A Section 3.4 Water Quality Objectives Yes N/A Section 3.5 Nutrient Control Yes N/A Section 3.6 Chemical Storage Containment Works Yes N/A
Section 3.2 Environmental Procedures Manual (EPM) Section 3.3 Acid Generation Control Section 3.4 Water Quality Objectives Section 3.5 Nutrient Control Yes N/A Section 3.7 Yes N/A
Section 3.2 Environmental Procedures Manual (EPM) Section 3.3 Acid Generation Control Yes N/A Section 3.4 Water Quality Objectives Section 3.5 Nutrient Control Yes N/A Section 3.6 Chemical Storage Containment Works Section 3.7 Spill Reporting Yes No spills occurred. Passive Treatment System cells BCR-EFF, SPC-EFF, AL-EFF, SP-EFF, 7-South Containment Pond (7SCP) and 2-North PAG CCR Pond (WP) are additional works Section 3.8 Additional Works Yes Additional Works Additional Works Yes Additional Section 3.8 Additional Section and Additional Section Section 3.8 Additional Secti
Section 3.2 Environmental Procedures Manual (EPM) Section 3.3 Acid Generation Control Yes N/A Section 3.4 Water Quality Objectives Yes N/A Section 3.5 Nutrient Control Yes N/A Section 3.6 Chemical Storage Containment Works Section 3.7 Spill Reporting Yes No spills occurred. Passive Treatment System cells BCR-EFF, SPC-EFF, AL-EFF, SP-EFF, 7-South Containment Pond (7SCP) and 2-North PAG CCR Pond (WP) are additional works Section 3.8 Additional Works Yes Additional Works Yes Additional Generation Control Yes No spills occurred. Passive Treatment System cells BCR-EFF, SPC-EFF, AL-EFF, SP-EFF, 7-South Containment Pond (7SCP) and 2-North PAG CCR Pond (WP) are additional works Section 3.8 Additional Works Yes that can be used as facilities for the removal of nutrients and metals from the effluent or the provision of additional settling pond capacity as well as flocculation facilities, if required.
Section 3.2 Environmental Procedures Manual (EPM) Section 3.3 Acid Generation Control Section 3.4 Water Quality Objectives Section 3.5 Nutrient Control Yes N/A Section 3.6 Chemical Storage Containment Works Section 3.7 Spill Reporting Yes No spills occurred. Passive Treatment System cells BCR-EFF, SPC-EFF, AL-EFF, SP-EFF, 7-South Containment Pond (7SCP) and 2-North PAG CCR Pond (WP) are additional works Section 3.8 Additional Works Yes Additional Works Yes Maintenance of Works, Non-Compliances and Emergency Procedures No Refer to Appendix I (Table 2). Unauthorized Discharge from Long Lake Seeps.
Section 3.2 Environmental Procedures Manual (EPM) Yes There were no updates required for the EPM in 2022. Section 3.3 Acid Generation Control Yes N/A Section 3.4 Water Quality Objectives Yes N/A Section 3.5 Nutrient Control Yes N/A Section 3.6 Chemical Storage Containment Works Yes N/A Section 3.7 Spill Reporting Yes No spills occurred. Section 3.7 Spill Reporting Yes No spills occurred. Section 3.8 Additional Works Yes No spills occurred. Section 3.8 Additional Works Yes No spills occurred. Section 3.8 Additional Works Yes No spills occurred. Section 3.9 (3.9.1-3.9.2) Maintenance of Works, Non-Compliances and Emergency Procedures No Refer to Appendix I (Table 2). Unauthorized Discharge from Long Lake Seeps. Environmental Review Procedure - An Environmental Technical Review Committee of six members has been formed. This Committee is composed of technical representatives from the Department of Fisheries and Oceans, Environment canada; the Ministry of Environment; the Department of Fisheries and Oceans, Environment canada; and the Institute of the purpose of coordinating and reviewing the construction and operational monitoring results. Based on the recommendations of the Committee, the Director may review the monitoring seults. Based on the recommendations of the Committee, the Director may review the monitoring seults. Based on the recommendations of the Committee, the Director may review the monitoring seults.
Section 3.2 Environmental Procedures Manual (EPM) Section 3.3 Acid Generation Control Yes N/A Section 3.4 Water Quality Objectives Yes N/A Section 3.5 Nutrient Control Yes N/A Section 3.6 Chemical Storage Containment Works Section 3.7 Spill Reporting Passive Treatment System cells BCR-EFF, SPC-EFF, AL-EFF, SP-EFF, 7-South Containment Poorly (TSCP) and 2-North PAG CCR Pond (WP) are additional with act an be used as facilities for the removal of nutrients and metals from the effluent or the provision of additional settling pond capacity as well as flocculation facilities, if required. Section 3.10 Bypasses No Refer to Appendix I (Table 2). Unauthorized Discharge from Long Lake Seeps. Environmental Review Procedure - An Environmental Technical Review Committee of six members has been formed. This Committee is composed of technical representatives from the Department of Fisheries and Oceans; Environment Lake Seeps. Section 3.11 Ministry of Energy. Mines and Natural Gas, the City of Campbell River; and the Permittee for the purpose of coordinating and reviewing the construction and operational monitoring results. Based on the recommendations of the Committee, the Director may revise the monitoring regular requirements in Section 4. Section 3.12 Section 4. A and / or data obtained from the Receiving Environment Tendering program Specified in Subsection 4. and / or data obtained from the Receiving Environment monitoring program Subsequent Procedure in the Subsection 4. The Committee of the Effluent and in Mine Releases monitoring program specified in Subsection 4. and / or data obtained from the Receiving Environment monitoring program Subsequent Procedure in Agency meeting was held on December 13, 2022. Stakeholder meeting was hall an unaury 10, 2023. No revised monitoring plans were suggested.
Section 3.2 Environmental Procedures Manual (EPM) Yes There were no updates required for the EPM in 2022. Section 3.3 Act Generation Control Yes N/A Section 3.4 Water Quality Objectives Yes N/A Section 3.5 Nutrient Control Yes N/A Section 3.5 Nutrient Control Yes N/A Section 3.6 Chemical Storage Containment Works Section 3.7 Splil Reporting Yes No spills occurred. Section 3.8 Additional Works Section 3.8 Additional Works Section 3.8 Additional Works Section 3.9 (3.9.1-3.9.2) Maintenance of Works, Non-Compliances and Emergency Procedures Section 3.10 Bypasses Section 3.10 Bypasses No Refer to Appendix I (Table 2). Unauthorized Discharge from Long Lake Seeps. Environmental Review Procedure - An Environmental Technical Review Committee of six members has been formed. This Committee is composed of technical representatives from the Department of Fisheries and Coeras; Environment, the Department of Fisheries and Coeras; Environment, Lake Seeps. Section 3.11 Ministry of Energy, Mines and Natural Gas; the City of Campbell River, and the Permittee for the purpose of coordinating and reviewing the construction and operating results. Sased on the results of the Effluent and In Mine Releases monitoring program specified in Subsection 4.1 and / or data obtained from the Receiving Environment monitoring program specified in Subsection 4.2, the Director may revise the monitoring requirements in Section 4.
Section 3.2 Invironmental Procedures Manual (EPM) Section 3.3 Acid Generation Control Section 3.4 Near Control Section 3.5 Nurrient Control Section 3.6 Chemical Storage Containment Works Section 3.7 Spill Reporting Section 3.7 Spill Reporting Section 3.8 Additional Works Section 3.8 Additional Works Section 3.9 Additional Works Section 3.9 Spill Reporting Section 3.10 Spill Reporting Spill Reporting Section 3.10 Spill Reporting Sp
Section 3.2 Section 3.2 Section 3.3 Acid Generation Control Section 3.4 Viets Coultily Objectives Ves N/A Section 3.6 Viets Control Section 3.6 Viets Control Section 3.7 Spill Reporting Ves N/A Section 3.7 Spill Reporting Ves No
Section 3.2 Environmental Procedure Manual (EPM) Yes Section 3.3 And Generation Control Yes N/A Section 3.4 Nat Generation Control Yes N/A Section 3.5 Natirest Control Yes N/A Section 3.5 Natirest Control Yes N/A Section 3.7 Spill Reporting Yes No Spill Soccurred. Yes No Spill Soccurred. Passive Treatment System cells &R.F.F.P.C.EFF, AL-EFF, SP-EFF, 7-South Contrainment Proof (75CF) and 2-North PAG CCR Proof (WP) are additional with the used as facilities for the removal of notifients and metals from the first of the purpose of Control (PSCF) and 2-North PAG CCR Proof (WP) are additional with the can be used as facilities for the removal of notifients and metals from the first of the control of
Section 3.2 Environmental Procedures Manual (EPM) Section 3.2 Add Seneration Control Ves N/A Section 3.3 And Seneration Control Ves N/A Section 3.5 Neutrient Control Ves N/A Section 3.5 Neutrient Control Ves N/A Section 3.7 Spill Reporting Ves N/A Section 3.7 Spill Reporting Additional Works Additional W



Section 4.1.2 Section CAS Manage REPUBLIES Section 4.1.2	CONDITION NUMBER	CONDITION DESCRIPTION	COMPLIANT? (Yes/No/ND)	ACTION TAKEN
Decides - 200 (Mol # 2018562) No. Decides - 200 (Mol # 2018562) No. Decide			COMPLIANT: (TES/NO/NO)	ACTION TAKEN
Section 4.12 (b) Current Constructions for of Access Read SPC (LINS ELIZIQUA) Section 4.12 (b) Additional Northboring Step Scheduler 2-5 double Pet Inn Pt Water Cover (25) (MS & 1252177) Section 4.12 (b) Additional Northboring Step Scheduler 2-5 double Pet Inn Pt Water Cover (25) (MS & 1252177) Section 4.12 (b) Additional Northboring Step Scheduler 2-5 double Pet Inn Pt Water Cover (25) (MS & 1252177) Section 4.12 (b) Additional Northboring Step Scheduler 2-5 double Pet Inn Pt Water Cover (25) (MS & 1252177) Section 4.12 (b) Annual Step Scheduler 2-5 double Pet Inn Pt Water Cover (25) (MS & 1252177) Section 4.12 (b) Annual Step Scheduler 2-5 double Pet Inn Pt Water Cover (25) (MS & 1252177) Section 4.12 (b) Annual Step Scheduler 2-5 double Pet Inn Pt Water Cover (25) (MS & 1252177) Section 4.12 (b) Annual Step Scheduler 2-5 double Pet Inn Pt Water Cover (25) (MS & 1252177) Section 4.12 (b) Annual Scheduler 2-5 double Pet Inn Pt Water Cover (25) (MS & 1252177) Section 4.12 (b) Annual Scheduler 2-5 double Pet Inn Pt Water Cover (25) (MS & 1252177) Section 4.12 (b) Annual Scheduler 2-5 double Pet Inn Pt Water Cover (25) (MS & 1252177) Section 4.12 (b) Annual Scheduler 2-5 double Pet Inn Pt Water Cover (25) (MS & 1252177) Section 4.12 (b) Annual Scheduler 2-5 double Pet Inn Pt Water Cover (25) (MS & 1252177) Section 4.12 (b) Annual Scheduler 2-5 double Pet Inn Pt Water Cover (25) (MS & 1252177) Section 4.12 (b) Annual Scheduler 2-5 double Pet Inn Pt Water Cover (25) (MS & 1252177) Section 4.12 (b) Annual Scheduler 2-5 doubler 2-				
Section 4.2 [10] South PE Molis Jump Water 35 (BIGS # E17913) Missing weekly pil/conductative. Section 4.1 [10] Additional Monitoring Size Schedule: 2-South Pill in Pil Water Corer (15) (MS # E222177 VSS Section 4.1 [10] Additional Monitoring Size Schedule: 2-South Pill in Pil Water Corer (15) (MS # E222177 VSS Section 4.1 [10] Additional Monitoring Size Schedule: 2-South Pill in Pil Water Corer (15) (MS # E222177 VSS Section 4.1 [10] Additional Monitoring Size Schedule: 2-South Pill in Pil Water Corer (15) (MS # E222177 VSS Section 4.1 [10] Additional Monitoring Size Schedule: 2-South Pill in Pill Water Corer (15) (MS # E222177 VSS Section 4.2 [10] Additional Monitoring Size Schedule: 2-South Pill in Pill Water Corer (15) (MS # E222177 VSS Section 4.2 [10] Additional Monitoring Size Schedule: 2-South Pill in Pill Water Corer (15) (MS # E222177 VSS Section 4.2 [10] Additional Monitoring Size Schedule: 2-South Pill in Pill Water Corer (15) (MS # E222177 VSS Section 4.2 [10] Additional Monitoring Size Schedule: 2-South Pill in Pill Water Corer (15) (MS # E222177 VSS Section 4.2 [10] Additional Monitoring Size Schedule: 2-South Pill in Pill Water Corer (15) (MS # E222177 VSS Additional Monitoring Size Schedule: 2-South Pill in Pill Water Corer (15) (MS # E222177 VSS Additional Monitoring Size Schedule: 2-South Pill In Pil	Section 4.1.2 (i)	Decant - SPD (EMS # E218582)	No	Refer to Annual Report, Appendix 1, Table 2.
Section 4.12 (v) Adolfsoal Membrang Sites Structure 2 South Pit in Pit Water Cover (25) EMS 8E202127 (Feb. 10.12) Section 4.14 (v) South Mining Gineration (February 2011) (Fe	Section 4.1.2 (ii)	Culvert, Downstream End of Access Road - SPC (EMS # E217014)	Yes	
Section 4.12 (v) Adolfsoal Membrang Sites Structure 2 South Pit in Pit Water Cover (25) EMS 8E202127 (Feb. 10.12) Section 4.14 (v) South Mining Gineration (February 2011) (Fe	Soction 4.1.3 (iii)	South Dit Main Sump Water 25 (EMS # E21701E) Missing weekly pH/Conductivity	Vac	
Section 4.1	Section 4.1.2 (III)	South Pit wain Sump water- 35 (EWS # E217015) Wissing weekly pryconductivity.	Tes	
Section 4.1.4 2. Footh Mining Operation Section 4.1.4 10)	Section 4.1.2 (iv)	Additional Monitoring Sites Schedule: 2-South Pit In Pit Water Cover (2S) EMS # E292127	Yes	
Section 4.14 (ii) Section 4.25 (iii) Possible of E202019 (iii) No. 100. 100. 100. 100. 100. 100. 100. 10		Block 242 Coal Mining Operation	Yes	NA - Area is non-operational and reclaimed.
Section 4.1 (ii) 7.5 South Add Sump ENS & E292110	Section 4.1.4	7 South Mining Operation		
Section 4.2 Deceiving Environment Membraining Sites and Membraining Requirements Section 4.2.1 (i) Initial Dilution Zone Membraining Sites and Membraining Replacements Section 4.2.2 (ii) Initial Dilution Zone Membraining Sites and Membraining Replacements Section 4.2.2 (iii) Septimized Section 4.2.3 (iii) Septimized Section 4.2.3 (iii) Section 4.2.4 (iii)	Section 4.1.4 (i)	Decant - 7SSD (EMS # E292069)	Yes	
Section 4.2.1 (i) Initial Dilution Zone Monitoring Sites - Long Lake Entrance-LLE (EMS # £292130) Section 4.2.1 (ii) Road Crossing bridge on Stream 1 above the Lower Wetland -75 [EMS # £292109]. No Refer to the Annual Report, Appendix I, Table 2, Missing 1/12 monthly samples Section 4.2.2 (iii) Seep Monitoring Sites - Sep Flack 4.2.3 (iv) Initial Sep Flack III (iv) Ini	Section 4.1.4 (ii)	7-South Adit Sump EMS # E292110	Yes	NA - This pond is never pumped to 7S Settling Pond.
Section 4.2.1 (ii) Road Crossing bridge on Stream 1 above the Lower Westand -75 (EMS # E293109). No Refer to the Annual Report, Appendix I, Table 2, Missing 1/12 monthly samples Section 4.2.2 (seep Monitoring Sites N/A Section 4.2.3 (seep Monitoring Sites Seep LEX/LSM (EMS # E292133)). Recovery Water Discovery Seep LEX/LSM (EMS # E292133). Recovery Water Discov	Section 4.2	Receiving Environment Monitoring Sites and Monitoring Requirements		
Section 4.2.2 Seep Monitoring Sites Section 4.2.2 (I) Long Lake Seep LLS / LLSM (IMS # IE 292111) Section 4.2.2 (I) Long Lake Seep LLS / LLSM (IMS # IE 292111) Section 4.2.2 (I) Long Lake Seep LLS / LLSM (IMS # IE 292111) Section 4.2.3 (Institute of the seep Lake Seep LLS / LLSM (IMS # IE 292111) Section 4.2.3 (Institute of the seep Lake Seep LLS / LLSM (IMS # IE 292111) Section 4.2.3 (Institute of the seep Lake Seep LLSM (IMS # IE 292111) Section 4.2.3 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.4 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.4 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.4 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.5 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.5 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.5 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.5 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (IMS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (INS # IE 292111) Section 4.2.6 (Institute of the seep LLSM (INS # IE 292111) Section 4.2.6 (Institute of the seep L	Section 4.2.1 (i)	Initial Dilution Zone Monitoring Sites - Long Lake Entrance- LLE (EMS # E292130)	Yes	
Section 4.2.2 (i) In call lab Sept.—List / List MEMS # E292131 Yes Unauthorized discharge. Receiving Nature (Septemen Busing Monthorized Section A.2.3 (in this Mining Operation: Lincing Lab Academy (I) (ISM 9 1201201), In Name Lab Coulties (IND) (ISM 9 1201201), In Name Lab Coulties (ISM 9 1201201), In Name Lab	Section 4.2.1 (ii)	Road Crossing bridge on Stream 1 above the Lower Wetland -7S (EMS # E292109).	No	Refer to the Annual Report, Appendix I, Table 2. Missing 1/12 monthly samples.
Receiving Water (Stream and Jakes) Monitoring Stales. A port 1364 42.3 A North Mising Operation. Clusinas Wise of Aproach Recold (VI) (EMS 9125022), Outflow from Middle Culrisans Lake (VI) (EMS 9125023), In Name: lake (VI) (EMS 9125023), In Name: lake (VII) (EMS 9125023), In Name: lake (VIII) (EMS 9125023),	Section 4.2.2	Seep Monitoring Sites		N/A
North Mining Operation: Join Man River at Algorisms Road (VA) (EMS # 012402), Outflow from Middle Qualmant Like (VM) (EMS # 012402), No Name Like United (NI) (EMS # 012402), No Name (NI) (EMS	Section 4.2.2 (i)	Long Lake Seep- LLS / LLSM (EMS # E292131)	Yes	Unauthorized discharge.
Section 4.2.4 (i) 7-South Area 5 sediment proposal Yes N/A Section 4.2.5 (i) General Requirements Applicable to All Sites Defined Under Section 4.2.3 (E292112)- Lower Yes N/A Section 4.2.6 (ii) General Requirements Applicable to All Sites Defined Under Section 4.2.3 (E292112)- Lower Yes N/A Section 4.2.6 (ii) General Requirements Applicable to All Sites Defined Under Section 4.2.3 No E2066.9) Long and (E2066.18) Middle Quinsam Lakes - Depth Profiling for pit. No results for pit except at 1, 4, 9 and 1MB (1/5 weeks) Section 4.2.6 (ii) General Requirements Applicable to All Sites Defined Under Section 4.2.3 No Partial program was performed on the Quinsam River as a result of the mine in care and maintenance. Section 4.2.7 (ii) General Requirements Applicable to All Sites Defined Under Section 4.2.4 N/A .	Section 4.2.3	North Mining Operation: Quinsam River at Argonaut Road (WA) (EMS # 0126402), Outflow from Middle Quinsam Lake (WB) (EMS # 0900504), South Mining Operation: long Lake Outlet (LLO) (EMS # E217017). No Name Lake Outlet (NNO)(EMS # E217017). (EMS # E217017) - 7-South Mining Operation (Areas 1 to 4): Quinsam River downstream of 7 South Mining Operation (7SQR) (EMS # E292113), 7-South Area 5 Mining Operation: Iron River upstream of 75AS (IR6) (EMS # E2927321), Iron River downstream of 75AS and 242 inputs (IR8) (EMS # E297232).		242 influence (EMS #E225798) Iron River downstream of 242 influence
Section 4.2.5 Stream Monitoring Requirements Section 4.2.5 (i) General Requirements Applicable to All Sites Defined Under Section 4.2.3 (£392112)- Lower Vest Ve	Section 4.2.4	Sediment and Benthic Monitoring Sites	NA	N/A
Section 4.2.5 (i) General Requirements Applicable to All Sites Defined Under Section 4.2.3 (E292112)- Lower Wesland Outlet (LWO). Section 4.2.6 (ii) General Requirements Applicable to All Sites Defined Under Section 4.2.3. Section 4.2.6 (ii) General Requirements Applicable to All Sites Defined Under Section 4.2.3. Section 4.2.7 (ii) Section 4.2.7 (iii) Section 4.2.7 (iii) General Requirements Applicable to All Sites Defined Under Section 4.2.4 Section 4.2.7 (iv) Section 4.2.7 (iv) Section 4.2.7 (iv) Section 4.2.3 (iv) Section 4.2.4 (iv) Section 4.2.5 (iv) Section 4.2.5 (iv) Section 4.2.6 (iv) Section 4.2.6 (iv) Section 4.2.6 (iv) Section 4.2.6 (iv) Section 4.2.7 (iv) Section	Section 4.2.4 (i)	7-South Area 5 sediment proposal	Yes	N/A
Section 4.2.6 (I) Wetland Outlet (LWO). Section 4.2.6 Lake Monitoring Requirements Section 4.2.6 (I) General Requirements Applicable to All Sites Defined Under Section 4.2.3. Section 4.2.6 (I) General Requirements Applicable to All Sites Defined Under Section 4.2.3. Section 4.2.7 (I) Sediment Benthic Monitoring Requirements Section 4.2.7 (I) General Requirements Applicable to All Sites Defined Under Section 4.2.4 (II) Section 4.2.7 (II) General Requirements Applicable to All Sites Defined Under Section 4.2.4 (II) Section 4.3.1 (II) Additional Monitoring Requirements Section 4.3.1 (Composite sampling III) Additional Monitoring Requirements Section 4.3.2 (Continuous Flow Recording III) Annual Report, Appendix I, Table 2. Missing summer continuous flow (IS weeks) due to flow monitoring equipment malfunction. Section 4.3.3 Iron River Flow Monitoring Yes Section 4.3.4 (Flow of the Monitoring Office Seeps III) Annual Report, Appendix I, Table 2. Missing summer continuous flow (IS weeks) due to flow monitoring equipment malfunction. Section 4.3.5 (Foundwater Observation Wells III) Annual Report, Appendix I, Table 3. 20.21, 29.34, 35 and 36. Groundwater Observation Wells III Appendix I, Table 3, 310.35 and Appendix II. Section 4.3.8 (Precipitation Monitoring Procedures III) Annual Report, Appendix I, Table 3. (In Table 3. 30.21, 29.34, 35 and 36. Section 4.3.8 (Precipitation Monitoring Procedures III) Annual Report, Appendix I, Table 3. (In Table 3. 30.21, 29.34, 35 and 36. Section 4.3.3 (In Table 3. 30.21, 29.34, 35 and 36. Section 4.3.4 (Monitoring of Drainage Ditches and Water Channels III) Annual Report, Appendix I, Table 3. (In Table 3. 30.21, 29.34, 35 and 36. Section 4.3.3 (In Table 3. 30.21, 29.34, 35 and 36. Section 4.3.4 (Monitoring Procedures III) Annual Report, Appendix I, Table 3. Not operational, area has been reclaimed Section 4.4.1 (Monitoring Procedures III) Annual Report Refer to Procedures III Annual Report Refer to Procedures III Annual Report Refer to Procedures III Annual Report	Section 4.2.5	Stream Monitoring Requirements		
Section 4.2.6 (i) General Requirements Applicable to All Sites Defined Under Section 4.2.3. No E206619) Long and (E206618) Middle Quinsam Lakes - Depth Profiling for pH. No results for pH except at 1, 4, 9 and 1MB (1/5 weeks) Section 4.2.7 Sediment Benthic Monitoring Requirements Section 4.2.7 (i) General Requirements Applicable to All Sites Defined Under Section 4.2.4 NA NA NA NA NA NA NA NA Section 4.3.1 Composite sampling No Missing (7/13) weekly TSS composite samples at Settling Pond 1 and 4 Section 4.3.2 Continuous Flow Recording Yes Section 4.3.3 Iron River Flow Monitoring Yes Section 4.3.4 pH and Conductivity Monitoring Yes Section 4.3.5 Monitoring of Seeps Yes Annual Report, Appendix I, Table 2. Missing summer continuous flow (5 weeks) due to flow monitoring equipment malfunction. Section 4.3.6 Groundwater Observation Wells Section 4.3.7 Monitoring of Drainage Ditches and Water Channels Yes Section 4.3.8 Precipitation Monitoring Yes Annual Report, Appendix I, Tables 3, 20, 21, 29 34, 35 and 36. Groundwater results and discussion is integrated into the Annual Report, Refer to Appendix I, Tables 4, 31 to 36 and Appendix VI. Section 4.3.7 Monitoring of Drainage Ditches and Water Channels Yes Section 4.3.8 Precipitation Monitoring Yes Annual Report, Appendix I, Tables 3, 20, 21, 29 34, 35 and 36. Groundwater results and discussion is integrated into the Annual Report, Refer to Appendix I, Tables 4, 31 to 36 and Appendix VI. Operations are checked daily by either the environmental technician or shift boxes. Section 4.3.9 Block 242 Monitoring Procedures Yes Annual Report, Appendix I, Tables 30. Not operational, area has been reclaimed Not operational, area has been reclaimed NA NA Section 4.4.1 Sampling and Analytical Procedures Yes N/A	Section 4.2.5 (i)		Yes	N/A
Section 4.2.6 (i) General Requirements Applicable to All Sites Defined Under Section 4.2.3. No E206619) Long and (E206618) Middle Quinsam Lakes - Depth Profiling for pH. No results for pH except at 1, 4, 9 and 1MB (1/5 weeks) Section 4.2.7 Sediment Benthic Monitoring Requirements Section 4.2.7 (i) General Requirements Applicable to All Sites Defined Under Section 4.2.4 NA NA NA NA NA NA NA NA Section 4.3.1 Composite sampling No Missing (7/13) weekly TSS composite samples at Settling Pond 1 and 4 Section 4.3.2 Continuous Flow Recording Yes Section 4.3.3 Iron River Flow Monitoring Yes Section 4.3.4 pH and Conductivity Monitoring Yes Section 4.3.5 Monitoring of Seeps Section 4.3.6 Groundwater Observation Wells Section 4.3.7 Monitoring of Drainage Ditches and Water Channels Section 4.3.8 Precipitation Monitoring Yes Section 4.3.9 Block 242 Monitoring No Section 4.4.1 Sampling and Analytical Procedures Yes N/A NA NO Partial program was performed on the Quinsam Lakes - Depth Profiling for pH. No results of pH except at 1, 4, 9 and 1MB (1/5 weeks) No Partial program was performed on the Quinsam Lakes - Depth Profiling for pH. No care and maintenance. NA NA NA NA NA NA NA NA NA Section 4.3.1 No Missing (7/13) weekly TSS composite samples at Settling Pond 1 and 4 Section 4.3.3 Iron River Flow Monitoring Yes Annual Report, Appendix I, Table 2. Missing summer continuous flow (5 weeks) due to flow monitoring equipment malfunction. Yes Annual Report Appendix I, Table 3, 20, 21, 29 34, 35 and 36. Groundwater results and discussion is integrated into the Annual Report, Refer to Appendix I, Tables 3, 20, 21, 29 34, 35 and 36. Groundwater results and discussion is integrated into the Annual Report, Refer to Appendix I, Tables 3, 20, 21, 29 34, 35 and 36. Groundwater Observation Wells Yes Annual Report, Appendix I, Tables 3, 20, 21, 29 34, 35 and 36. Groundwater Observation Mentioring of Procedures Yes Annual Report, Appendix I, Tables 3, 20, 21, 29 34, 3	Section 4.2.6	Lake Monitoring Requirements		
Section 4.2.7 Sediment Penthic Monitoring Requirements NU Care and maintenance. Section 4.2.7 (i) General Requirements Applicable to All Sites Defined Under Section 4.2.4 N/A N/A Section 4.3.1 Composite sampling No Missing (7/13) weekly TSS composite samples at Settling Pond 1 and 4 Section 4.3.2 Continuous Flow Recording Yes Section 4.3.3 Iron River Flow Monitoring No Annual Report, Appendix I, Table 2. Missing summer continuous flow (5 weeks) due to flow monitoring equipment malfunction. Section 4.3.4 pH and Conductivity Monitoring Yes Section 4.3.5 Monitoring of Seeps Yes Annual Report Appendix I, Tables 3, 20, 21, 29 34, 35 and 36. Section 4.3.6 Groundwater Observation Wells Yes Groundwater results and discussion is integrated into the Annual Report, Refer to Appendix I, Tables 4, 31 to 36 and Appendix VI. Section 4.3.7 Monitoring of Drainage Ditches and Water Channels Yes Operations are checked daily by either the environmental technician or shift bosses. Section 4.3.9 Block 242 Monitoring Yes Annual Report, Appendix I, Tables 3.0. Section 4.4.1 Sampling and Analytical Procedures Yes N/A Section 4.5 Reporting N/A Section 4.5 Reporting Yes N/A	Section 4.2.6 (i)	General Requirements Applicable to All Sites Defined Under Section 4.2.3.	No	E206619) Long and (E206618) Middle Quinsam Lakes - Depth Profiling for pH. No results for pH except at 1, 4, 9 and 1MB (1/5 weeks)
Section 4.2.7 (i) General Requirements Applicable to All Sites Defined Under Section 4.2.4 N/A N/A Section 4.3 Additional Monitoring Requirements Section 4.3.1 Composite sampling No Missing (7/13) weekly TSS composite samples at Settling Pond 1 and 4 Section 4.3.2 Continuous Flow Recording Yes Section 4.3.3 Iron River Flow Monitoring No Annual Report, Appendix I, Table 2. Missing summer continuous flow (5 weeks) due to flow monitoring equipment malfunction. Section 4.3.4 pH and Conductivity Monitoring Yes Section 4.3.5 Monitoring of Seeps Section 4.3.6 Groundwater Observation Wells Section 4.3.7 Monitoring of Drainage Ditches and Water Channels Section 4.3.8 Precipitation Monitoring Yes Annual Report, Appendix I, Tables 3, 20, 21, 29 34, 35 and 36. Section 4.3.8 Precipitation Monitoring Yes Operations are checked daily by either the environmental technician or shift bosses. Section 4.3.9 Block 242 Monitoring Section 4.4 Monitoring Procedures Yes N/A Not operational, area has been reclaimed N/A Section 4.5 Reporting Yes N/A N/A N/A N/A	Section 4.2.7	Sediment Benthic Monitoring Requirements	No	Partial program was performed on the Quinsam River as a result of the mine in
Section 4.3.1 Composite sampling No Missing (7/13) weekly TSS composite samples at Settling Pond 1 and 4 Section 4.3.2 Continuous Flow Recording Yes Section 4.3.3 Iron River Flow Monitoring PH and Conductivity Monitoring PH and Conductivity Monitoring Section 4.3.4 pH and Conductivity Monitoring Section 4.3.5 Monitoring of Seeps Section 4.3.6 Groundwater Observation Wells Section 4.3.7 Monitoring of Drainage Ditches and Water Channels Section 4.3.8 Precipitation Monitoring Yes Section 4.3.9 Block 242 Monitoring No Missing (7/13) weekly TSS composite samples at Settling Pond 1 and 4 Monitoring of Drainage Ditches and Water Channels Yes Section 4.3.8 Precipitation Monitoring No Annual Report, Appendix I, Tables 3, 20, 21, 29 34, 35 and 36. Groundwater results and discussion is integrated into the Annual Report, Refer to Appendix I, Tables 4, 31 to 36 and Appendix VI. Operations are checked daily by either the environmental technician or shift bosses. Section 4.3.9 Block 242 Monitoring No No operational, area has been reclaimed Section 4.4 Monitoring Procedures Yes N/A Section 4.5 Reporting Yes N/A N/A N/A N/A N/A Section 4.5 Reporting	Section 4.2.7 (i)	General Requirements Applicable to All Sites Defined Under Section 4.2.4	N/A	
Section 4.3.2 Continuous Flow Recording Yes Section 4.3.3 Iron River Flow Monitoring No Annual Report, Appendix I, Table 2. Missing summer continuous flow (5 weeks) due to flow monitoring equipment malfunction. Section 4.3.4 pH and Conductivity Monitoring Yes Section 4.3.5 Monitoring of Seeps Yes Annual Report Appendix I, Tables 3, 20, 21, 29 34, 35 and 36. Section 4.3.6 Groundwater Observation Wells Yes Groundwater results and discussion is integrated into the Annual Report, Refer t Appendix I, Tables 3, 31 to 36 and Appendix VI. Section 4.3.7 Monitoring of Drainage Ditches and Water Channels Yes Operations are checked daily by either the environmental technician or shift bosses. Section 4.3.8 Precipitation Monitoring Yes Annual Report, Appendix I, Tables 3, 20, 21, 29 34, 35 and 36. Yes Operations are checked daily by either the environmental technician or shift bosses. Section 4.3.9 Block 242 Monitoring N/A Not operational, area has been reclaimed Section 4.4 Monitoring Procedures Yes N/A Section 4.5 Reporting Yes N/A	Section 4.3	Additional Monitoring Requirements		
Section 4.3.3 Iron River Flow Monitoring PH and Conductivity Monitoring PH and Conductivity Monitoring Yes Section 4.3.4 pH and Conductivity Monitoring Yes Section 4.3.5 Monitoring of Seeps Section 4.3.6 Groundwater Observation Wells Section 4.3.7 Monitoring of Drainage Ditches and Water Channels Section 4.3.7 Monitoring of Drainage Ditches and Water Channels Section 4.3.8 Precipitation Monitoring Yes Annual Report, Appendix I, Tables 4, 31 to 36 and Appendix VI. Section 4.3.9 Block 242 Monitoring Section 4.4 Monitoring Procedures Section 4.4 Sampling and Analytical Procedures Yes N/A Section 4.5 Reporting Yes N/A Yes N/A	Section 4.3.1	Composite sampling	No	Missing (7/13) weekly TSS composite samples at Settling Pond 1 and 4
Section 4.3.4 pH and Conductivity Monitoring Section 4.3.5 Monitoring of Seeps Section 4.3.6 Groundwater Observation Wells Section 4.3.7 Monitoring of Drainage Ditches and Water Channels Section 4.3.8 Precipitation Monitoring Section 4.3.9 Block 242 Monitoring Section 4.4 Monitoring for Drainage Ditches Monitoring Section 4.5 Section 4.5 Section 4.5 Section 4.6 Monitoring Section 4.7 Monitoring of Drainage Ditches and Water Channels Section 4.8 Precipitation Monitoring Section 4.9 Monitoring Monitoring Section 4.1 Sampling and Analytical Procedures Yes N/A Section 4.5 Reporting Yes N/A	Section 4.3.2	Continuous Flow Recording	Yes	
Section 4.3.5 Monitoring of Seeps Yes Annual Report Appendix I, Tables 3, 20, 21, 29 34, 35 and 36. Section 4.3.6 Groundwater Observation Wells Yes Appendix I, Tables 4, 31 to 36 and Appendix IV. Section 4.3.7 Monitoring of Drainage Ditches and Water Channels Yes Operations are checked daily by either the environmental technician or shift bosses. Section 4.3.8 Precipitation Monitoring Yes Annual Report, Appendix I, Table 30. Section 4.3.9 Block 242 Monitoring N/A Not operational, area has been reclaimed Section 4.4 Monitoring Procedures Yes N/A Section 4.4.1 Sampling and Analytical Procedures Yes N/A Section 4.5 Reporting Yes N/A	Section 4.3.3	Iron River Flow Monitoring	No	
Section 4.3.6 Groundwater Observation Wells Section 4.3.7 Monitoring of Drainage Ditches and Water Channels Section 4.3.8 Precipitation Monitoring Section 4.3.9 Block 242 Monitoring Section 4.4.1 Sampling and Analytical Procedures Section 4.4.1 Sampling and Analytical Procedures Reporting Groundwater results and discussion is integrated into the Annual Report, Refer to Appendix VI. Per Appendix I, Tables 4, 31 to 36 and Appendix VI. Operations are checked daily by either the environmental technician or shift bosses. Section 4.3.9 Block 242 Monitoring N/A Not operational, area has been reclaimed N/A Section 4.4.1 Sampling and Analytical Procedures Yes N/A Section 4.5 Reporting Yes N/A	Section 4.3.4	pH and Conductivity Monitoring	Yes	
Section 4.3.6 Groundwater Observation Wells Section 4.3.7 Monitoring of Drainage Ditches and Water Channels Section 4.3.8 Precipitation Monitoring Section 4.3.9 Block 242 Monitoring Section 4.4.1 Sampling and Analytical Procedures Section 4.4.1 Sampling and Analytical Procedures Reporting Groundwater results and discussion is integrated into the Annual Report, Refer to Appendix VI. Per Appendix I, Tables 4, 31 to 36 and Appendix VI. Operations are checked daily by either the environmental technician or shift bosses. Section 4.3.9 Block 242 Monitoring N/A Not operational, area has been reclaimed N/A Section 4.4.1 Sampling and Analytical Procedures Yes N/A Section 4.5 Reporting Yes N/A	Section 4.3.5	Monitoring of Seeps	Yes	
Section 4.3.1 Monitoring of Drainage Ditches and water Charmels bosses. Section 4.3.8 Precipitation Monitoring Yes Annual Report, Appendix I, Table 30. Section 4.3.9 Block 242 Monitoring N/A Not operational, area has been reclaimed Section 4.4 Monitoring Procedures Yes N/A Section 4.4.1 Sampling and Analytical Procedures Yes N/A Section 4.5 Reporting Yes N/A	Section 4.3.6	Groundwater Observation Wells	Yes	
Section 4.3.9 Block 242 Monitoring N/A Not operational, area has been reclaimed Section 4.4 Monitoring Procedures Yes N/A Section 4.1.1 Sampling and Analytical Procedures Yes N/A Section 4.5 Reporting Yes N/A	Section 4.3.7	Monitoring of Drainage Ditches and Water Channels		bosses.
Section 4.4 Monitoring Procedures Yes N/A Section 4.4.1 Sampling and Analytical Procedures Yes N/A Section 4.5 Reporting Yes N/A				
Section 4.4.1 Sampling and Analytical Procedures Yes N/A Section 4.5 Reporting Yes N/A				
Section 4.5 Reporting Yes N/A				
Section 4.5.1 7 South Area 5 Reporting Yes No mining has occurred since 2019.				





Authorized Person Initial: _____ Date: 2023/06/29