05 Other Regional Conditions

Reference	Condition
	SEWAGE EFFLUENT DISCHARGES
SEW1	The discharge of sewage effluent must only originate from the following locations: Stockton: a. Bathhouse Office Complex b. Top Offices Complex c. Campbells Crib hut (ex Kings Cross system) d. Fuel Farm workshop e. Stockton Workshop f. CHPP g. Sub-Contractors Complex h. Bulk Explosives Compound i. Station #2 j. Electrical Workshop Black Water Treatment Plant k. Gatehouse l. Red Rocks Crib Hut m. Station #5 Ngākawau:

Reference	Condition
	n. Bathhouse System o. Offices (Behind) p. Tubshop q. SGS Lab ESE: r. Gatehouse / Admin office s. Central Infrastructure area t. Coal haulage area; and u. Bulk Explosives area
SEW2	The Approval Holder must ensure that the daily volume of sewage effluent discharged from each location does not exceed the limits specified below. Stockton: a. 1300 Litres per day at the Bathhouse Office Complex b. 750 Litres per day at the Top Offices Complex c. 870 Litres per day at Campbells Crib hut d. 30 Litres per day at Fuel Farm Workshop e. 830 Litres per day at StocktonWorkshop f. 850 Litres per day CHPP g. 165 Litres per day at the Sub-Contractors Complex

Reference	Condition
	h. 150 Litres per day at the Bulk Explosives Compound i. 15 Litres per day at Station #2 j. 30 Litres per day at the Electrical Workshop Black Water Treatment Plant k. 30 Litres per day at the Gatehouse l. 960 Litres per day at the Red Rocks Crib Hut m. 60 Litres per day at Station #5 Ngākawau: n. 1300 Litres per day at the Bathhouse System o. 180 Litres per day at Offices (Behind) p. 120 Litres per day at the Tubshop q. 180 Litres per day at the SGS Lab ESE: r. 1100 Litres per day at the Gatehouse / Admin office s. 5900 Litres per day at the Central Infrastructure area t. 600 Litres per day at the Coal Haulage area u. 350 Litres per day at the Bulk Explosives area In addition to the daily volumes listed above, the Approval holder may discharge up to 4,600 litres of sewage effluent per week at the location listed in SEW2a (Bathhouse Office Complex) to provide for the disposal of sewage effluent from septic tanks at the mobile crib huts from MFS and from the septic tanks at the temporary crib huts associated with the construction of the UWHR.

Reference	Condition
SEW3	All sewage effluent discharged at the locations listed in **Condition SEW1** (Stockton and Ngākawau sites) must: a. Receive primary treatment in a septic tank system or equivalent system that achieves the same or better level of treatment; and b. Pass through a proprietary effluent filter or receive secondary treatment prior to discharge to land.
SEW4	Sewage effluent discharged at the ESE locations listed in **Condition SEW1** must: a. Receive primary treatment; and b. Pass through a proprietary effluent filter prior to discharge to a land application system.
SEW5	Sewage effluent discharged from locations requiring secondary treatment must receive secondary treatment via a purpose-designed treatment system.
SEW6	After treatment in accordance with **Condition SEW4**, the Approval Holder must ensure that sewage effluent is discharged to a land application system that is designed, constructed and operated in accordance with the following requirements: a. A layer of sand that conforms to the 2A grading envelope specified on the plan labelled '*Sand Bed Example – Sheet 1'* contained in Appendix B of the Courtenay Environmental Wastewater Treatment Assessment for Escarpment Mine, must be installed beneath the base of the distribution pipes; b. The sand layer must have a minimum uniform depth of 600 millimetres; c. The base of the sand layer must be no greater than 1000 millimetres below ground level; d. A layer of free-draining gravel must be installed beneath the sand layer, extending to a depth sufficient to intercept free-draining in situ soils; and e. A minimum vertical separation distance of 200 millimetres of unsaturated soil must be maintained at all times between the base of the sand layer and the highest recorded groundwater level.
SEW7	After treatment in accordance with **Condition SEW5**, the Approval Holder must ensure that sewage effluent is discharged to a land application system that is designed, constructed and operated in accordance with the following requirements:

Reference	Condition
	a. A layer of 20/12 mm washed tailings, as specified on the plan labelled 'Sand Bed Example – Sheet 2' contained in Appendix B of the Courtenay Environmental Wastewater Treatment Assessment for Escarpment Mine, must be installed at the base of the distribution pipes; b. The tailings layer must have a minimum uniform depth of 300 millimetres; c. The base of the tailings layer must be no greater than 400 millimetres below ground level; d. A layer of suitable free-draining building platform material must be installed beneath the tailings layer, extending to a depth sufficient to intercept free-draining in situ soils; and e. A minimum vertical separation distance of 200 millimetres of unsaturated soil must be maintained at all times between the base of the tailings layer and the highest recorded groundwater level.
SEW8	The Approval Holder must ensure that sewage effluent is applied evenly across the land application systems required by **Conditions SEW6 and SEW7** at a rate not exceeding 50 millimetres in any 24-hour period.
SEW9	The sewage effluent treatment systems and land application systems referred to in **Conditions SEW4-SEW7** must not include chlorine disinfection.
SEW10	The Approval Holder must ensure that: a. No ponding of treated or untreated sewage effluent occurs on the land surface; and b. No overland discharge of sewage effluent occurs beyond the boundary of any land application system.
SEW11	The Approval Holder must ensure that all land application systems are: a. Fenced, signposted, or otherwise clearly identified; and b. Protected from damage, including damage from vehicle access and deep-rooted planting.
SEW12	The discharge of sewage effluent must not occur within 20 metres of any natural water body, or 50 metres of any bore.

Reference	Condition
SEW13	The Approval Holder must identify and retain a reserve field for the land application systems referred to in **Conditions SEW6 and SEW7** in the event it is required.
SEW14	If any sewage effluent treatment or disposal system is not operating in accordance with these conditions, the Approval Holder must: a. Immediately cease discharge to the affected system where continued discharge would result in non-compliance b. Identify the cause of the failure; c. Implement corrective actions as soon as practicable; and d. Record the failure and actions taken.
SEW15	The Approval Holder must monitor the performance of sewage effluent systems to ensure compliance with: a. Hydraulic loading rates; and b. Absence of surface discharge or ponding. Monitoring must be undertaken in accordance with methods specified in the certified design documentation or relevant Management Plan.
SEW16	The Approval Holder must monitor the treatment performance of the sewage effluent system at the Central Infrastructure Area at least once every three months to ensure compliance with the following secondary treatment standards: a. Ninety percent of the samples must have a BOD5 less than or equal to 20 g/m^3 with no sample greater than 30 g/m^3; and b. Ninety percent of the samples must have TSS less than or equal to 30 g/m3 with no samples greater than 45 g/m^3.
SEW17	The Approval Holder must maintain records of: a. Inspection and maintenance activities; b. System performance and monitoring results;

Reference	Condition
	c. Any system failures; and d. Any corrective actions undertaken. Records must be retained for a minimum of five (5) years and made available to the Administering Agencies on request.
SEW18	The Approval Holder must not modify, upgrade or relocate any sewage effluent treatment or disposal system in a manner that may affect compliance with these conditions unless: a. The modification or upgrade is consistent with the certified design; or b. Written approval is obtained from the relevant Approval Authority.
SEW19	The sewage effluent treatment and land application systems at the Central Infrastructure Area must be serviced at least once every three months by a qualified person with at least two years' experience in the maintenance of such systems to ensure the system operates effectively and in accordance with these conditions. All other sewage effluent treatment and land application systems must be inspected at least once every three months and serviced at least once every twelve months by a qualified person with at least two years' experience in the maintenance of such systems to ensure the system operates effectively and in accordance with these conditions.
	TYRE MANAGEMENT
TYR1	The Approval Holder must ensure that all tyres stored outdoors at ESE are stored only in areas that are accessible at all times to firefighting vehicles and machinery.
TYR2	The Approval Holder must ensure that adequate water supply, and firefighting foam are available at all times for use in the event of a tyre fire.
TYR3	The Approval Holder must ensure that runoff from all outdoor tyre storage areas in the ESE Sub-Area is captured and directed to the mine water treatment system.

Reference	Condition
TYR4	The Approval Holder must ensure that no individual outdoor tyre stockpile in the ESE Sub-Area exceeds: a. 20 metres in length b. 6 metres in width; and c. 3 metres in height. The Approval Holder must ensure that heavy earthmoving vehicle tyres stored outdoors in the ESE Sub-Area are not stacked more than three tyres high.
TYR5	No outdoor tyre storage area in the ESE Sub-Area must be within 20 metres of: a. Any other tyre storage area or any other waste storage area; b. Any buildings (excluding the vehicle maintenance workshops); and c. Dense vegetation.
	WASTE MANAGEMENT PLAN
WAS1	1. The Approval Holder must prepare and implement the Waste Management Plan (**WasteMP**) referred to in **Condition MP1**, subject to any amendments made in accordance with **Conditions MP13 to MP16**. All activities authorised by this Approval must be undertaken in accordance with the WasteMP to the extent that those activities relate to waste management. 2. The purpose of the WasteMP is to set out the objectives, responsibilities, methods, monitoring and reporting requirements for managing waste generated by the Project. The WasteMP must: a. Identify all non-hazardous waste streams generated by the Project, including maintenance, administrative and ancillary wastes; b. Include measures to minimise waste generation, maximise reuse and recycling, and avoid, remedy or mitigate adverse effects associated with the storage, handling, transport and disposal of waste; c. Specify procedures for the safe storage, handling and disposal of waste at appropriately authorised facilities;

Reference	Condition
	d. Include controls to manage risks associated with waste storage (including outdoor storage of tyres where relevant); e. Demonstrate how compliance with relevant statutory requirements and applicable standards will be achieved; and f. Include monitoring, reporting and review procedures to confirm the effectiveness of the WasteMP. 3. For the avoidance of doubt, the WasteMP does not apply to overburden, coal rejects or other mined materials, or to hazardous wastes managed under the Hazardous Substances Management Plan.
	DUST MANAGEMENT
DM1	1. The Approval Holder must ensure that all dust generated by activities authorised by this Approval is managed to avoid, remedy, or mitigate adverse environmental effects. 2. Without limiting the above, the Approval Holder must: a. Ensure that no dust generated by activities authorised by this Approval results in an offensive or objectionable effect, or causes a nuisance, at or beyond the boundary of any site not owned or controlled by the Approval Holder; b. Ensure that no visible dust discharge from the Project Area crosses the boundary in a manner that causes, or is likely to cause, adverse environmental effects; c. Manage all haul roads, access tracks and vehicle movements to minimise dust generation, including maintaining unsealed surfaces and controlling vehicle speeds; d. Ensure that all vehicles transporting dust-generating material are managed to prevent dust emissions during transport, including the use of covers where practicable; and e. Cease, reduce or modify any activity that generates dust where dust control measures are not effective, or where meteorological conditions (including wind speed and direction) result in, or are likely to result in, non-compliance with clauses (2)(a) or (b).
	DUST MANAGEMENT PLAN

Reference	Condition
DM2	The Approval Holder must prepare and implement the Dust Management Plan (**DMP**) referred to in **Condition MP1**, subject to any amendments made in accordance with **Conditions MP13 to MP16**. All activities authorised by this Approval must be undertaken in accordance with the DMP to the extent that those activities relate to dust management.
DM3	1. The purpose of the DMP is to provide a framework for managing dust emissions so that potential adverse dust effects are avoided or mitigated. 2. To achieve the purpose of the DMP, the DMP must include: a. A description of particulate matter discharge sources associated with the consented activities; b. Identification of the location of sensitive receptors; c. Dust mitigation measures for each dust source, including, as a minimum, measures for: i. The application of water for dust suppression; ii. Vehicle movements on unpaved haul roads and trafficked surfaces including stabilisation, sealing or covering of exposed surfaces where practicable; iii. Minimising disturbance of coal and overburden stockpiles; iv. Excavation, loading and tipping operations; v. Drilling and blasting; vi. Processing plant operations; and vii. Progressive rehabilitation and stabilisation of disturbed surfaces. d. Dust deposition monitoring procedures, including: i. The location of dust deposition monitoring sites; ii. Sampling methodology, including sampling frequency; and iii. Dust deposition monitoring reporting levels, and associated response actions;

Reference	Condition
	e. Meteorological monitoring procedures; f. Operational monitoring procedures, including routine visual inspection procedures; g. Complaint receipt and response procedures; and h. Procedures for auditing, reviewing and updating the DMP.
DM4	The Approval Holder must provide the Approval Authority with an Annual Dust Monitoring Report as part of the Annual Monitoring and Compliance Report required by **Condition GEN9**, that includes: a. Dust monitoring results for the previous 12 months; b. A summary of dust complaints and how they were addressed; c. Any corrective actions or further mitigation undertaken; and d. Any recommended amendments to the DMP.
DM5	1. The Approval Holder must undertake dust deposition monitoring in accordance with the DMP. 2. Monitoring must: a. Include monitoring sites at locations representative of: i. The nearest residential dwellings to the Stockton Project sub-area (Millerton area); ii. The nearest residential dwellings to the Escarpment Extended Project sub-area (Denniston area); iii. A background monitoring site located at least 1 km from any consented dust-generating source; and iv. The Whirlwind Rise and Coalbrookdale pest exclusion fenced areas. b. Use collection and analysis methods consistent with AS/NZS 3580.10.1:2016 (at sampling intervals not exceeding 30 days (± 2 days);

Reference	Condition
	c. Be evaluated against a reporting level of 4 g/m²/30-days above the contemporaneous background monitoring site required by **Condition DM5(a)(iii)**; and d. Where the reporting level in **Condition DM5(c)** is exceeded at any monitoring site, the Approval Holder must, within ten (10) working days of receiving the laboratory result: i. Notify the relevant Approval Authority in writing, identifying the monitoring site, the result, prevailing meteorological conditions during the sampling period, and any likely cause; and ii. Investigate the cause of the exceedance and, as soon as is practicable, implement additional dust mitigation measures as appropriate for the identified cause, having regard to the dust mitigation measures set out in the DMP. The corrective actions taken and the timeframe for their implementation must be recorded in writing and made available to the relevant Approval Authority upon request. e. Where monitoring results at monitoring sites have been below 2 g/m^2/30-days above the contemporaneous background monitoring site for three consecutive reporting years, the Approval Holder may propose to the relevant Approval Authority in writing a reduced monitoring frequency, a reduced number of monitoring sites or to cease monitoring. The relevant Approval Authority must certify any proposed reduction or cessation as consistent with the conditions of this consent before it takes effect. f. Where dust-generating activities within a Project Sub-Area have permanently ceased and rehabilitation of that Sub-Area has been completed, the Approval Holder may propose to the relevant Approval Authority in writing that monitoring at the monitoring sites associated with that Sub-Area be discontinued. The relevant Approval Authority must certify any proposed discontinuation as consistent with the conditions of this approval before it takes effect.
DM6	1. The Approval Holder must install, operate and maintain meteorological monitoring stations for purposes that include dust management. 2. Meteorological monitoring must occur at each of the following locations: a. Stockton (Stockton Met): NZTM E1506474 N5385326 b. Burnetts Face Road: NZTM E1500011 N5378198

Reference	Condition
	3. Stations (2(a)-(b) must involve measurement of wind speed and wind direction at 10 metres above ground level. 4. Meteorological monitoring data at Stations 2(a)-(b) must operate continuously and be telemetered to enable consideration of current meteorological conditions in real time, along with data logging at 10-minute intervals with date and time stamps to enable robust meteorological analysis. 5. The meteorological data required by this condition must be made available to the relevant Approval Authority upon request within ten (10) working days. ***Advice note**: Additional meteorological monitoring requirements specific to water management and erosion and sediment control are detailed in **Condition MON1**.*
DM7	1. The Approval Holder must undertake visual monitoring of vegetation and fauna habitats for dust-deposition effects at locations adjacent to active mining areas and haul roads. 2. Monitoring must be undertaken at least once per month during the period 1 December to 30 April each year. 3. Where monitoring identifies dust deposition that is causing, or is likely to cause, adverse effects on vegetation or fauna habitat, the Approval Holder must: a. Identify the source of the dust; and b. Implement additional dust mitigation measures as soon as is practicable to avoid, remedy or mitigate those effects. 4. Records of all monitoring undertaken under this condition, including any identified effects and actions taken, must be maintained and made available to the relevant Approval Authority on request.

Reference	Condition
	DUST MANAGEMENT AT THE CHPP
DM8	A discharge pipe must be used for coal that exits the conveyor system onto Stockpile 5 if there are hourly average wind speeds of 7 m/s or greater during dry weather conditions. Where the discharge pipe is unavailable, coal must not be conveyed onto Stockpile 5 during such conditions.
	DUST MANAGEMENT AT NGĀKAWAU
DM9	The Number 7 Station must be equipped with water sprays for dust control.
DM10	1. The Approval Holder must undertake visual inspections for dust effects at the Ngākawau site on a daily basis when dust-generating activities are occurring. 2. The purpose of these inspections is to confirm: a. That dust control measures are being implemented in accordance with the DMP; and b. That those measures are effective in preventing adverse dust effects. 3. Where the inspections identify that dust control measures are not being implemented or are not effective, the Approval Holder must immediately implement additional or revised dust mitigation measures to achieve compliance with this Approval. 4. A record of each inspection, including any actions taken, must be maintained and made available to the relevant Approval Authority on request.
	Operational Environmental Management Plan (OEMP)
DM11	1. The Approval Holder must prepare and implement an Operational Environmental Management Plan (**OEMP**) referred to in **Condition MP1**, subject to any amendments made in accordance with **Conditions MP13 to MP16**, for the Ngākawau Facilities. 2. The OEMP must include:

Reference	Condition
	a. Descriptions of particulate matter discharge sources associated with the Ngākawau Facilities; b. Identification of sensitive receptors relevant to the Ngākawau Facilities; c. Dust mitigation measures; d. Dust deposition monitoring procedures, including the location of monitoring sites, collection methodology, sampling frequency, reporting levels, and associated response actions; e. Meteorological monitoring procedures; f. Operational monitoring procedures, including routine daily visual inspections to confirm that all dust suppression measures are operational; g. Complaint receipt and response procedures; and h. Procedures for auditing, reviewing and updating the OEMP.
DM12	1. The Approval Holder must review, and where necessary update, the OEMP: a. At intervals not exceeding three years from the date of certification under **Condition DM11**; and b. Following any material change to the consented operations that may alter the nature, location or scale of discharges to air. 2. The OEMP must be implemented and maintained for the duration of this consent. 3. In the event of any inconsistency between the OEMP and the conditions of this approval, the conditions of this approval prevail.
	Dust Monitoring at Ngākawau
DM13	1. The Approval Holder must undertake dust deposition monitoring in accordance with the OEMP. 2. Monitoring must: a. Include representative monitoring locations relevant to the Ngākawau Facilities, including nearby residential receptors;

Reference	Condition
	b. Use collection and analysis methods consistent with AS/NZS 3580.10.1. Gravimetric method for deposited matter; c. Be undertaken at sampling intervals not exceeding 30 days (±2 days); and d. Be assessed against a reporting level of 4 g/m^2/30 days above background, where background is defined as the dust deposition rate measured at a representative control monitoring site located away from dust generating activities associated with the Ngākawau Facilities, as specified in the OEMP. The background monitoring site must be located at least 1 kilometre from such activities and be representative of ambient environmental conditions. e. Where the dust deposition rate at any monitoring site exceeds the background dust deposition rate for the same sampling period by more than 4g/m2/30 days, the consent holder must, within 10 working days of receiving the laboratory result: i. Notify the relevant Approval Authority in writing, identifying the monitoring site, the result, prevailing meteorological conditions during the sampling period, and any likely cause; and ii. Investigate the cause of the exceedance and, as soon as practicable, implement additional dust mitigation measures as appropriate for the identified cause, having regard to the dust mitigation measures set out in the OEMP. The corrective actions taken and the timeframe for their implementation must be recorded in writing and made available to the relevant Approval Authority upon request.
DM14	1. The Approval Holder must maintain meteorological monitoring at the Ngākawau Facilities for the duration of this consent, measuring: a. Wind speed and wind direction; and b. Rainfall. 2. All meteorological data must be recorded continuously with date and time stamps and made available to the relevant Approval Authority upon request within 10 working days.
DM15	The Approval Holder must: a. Maintain a 24-hour contact number, published on the Approval Holder's public website and provided in writing to the relevant Approval Authority and to any person who requests it, for receiving dust complaints relating to the activities authorised by this Approval.

Reference	Condition
	b. Record all complaints received, including: i. The date and time of receipt of the complaint ii. The nature of the complaint iii. The meteorological conditions at the time of the alleged discharge; and iv. The results of investigation into the complaint, including any identified dust sources and any corrective actions taken. c. Provide the relevant Approval Authority a copy of the complaint record within 10 working days of receiving the complaint.
	GEOTECHNICAL CONTROLS
GEO1	The Approval Holder must ensure that detailed designs are prepared by a SQEP for the construction of the UWHR and MFS Access Road (as shown on **Attachment 4 and Attachment 5**) that incorporate: a. The methodology for classifying the acid-producing potential of materials that will be encountered (as NAF, PAF, or HAF) and how those materials will be handled to minimise the generation of AMD; b. Measures to manage the risks of working around historic underground workings in locations where these are present; c. Geotechnical design criteria, including: Factors of Safety (**FoS**) targets, design slope geometries, and stability assessment methods; d. The latest available groundwater and geotechnical information; and e. Watercourse crossings.
GEO2	1. A construction design report must be prepared for each section of the UWHR and MFS Access Road that includes the detailed designs prepared in accordance with **Condition GEO1**.

Reference	Condition
	2. The UWHR and MFS Access Road construction design report must be provided to the Approval Authority for certification that it meets the requirements of the conditions of this Approval prior to the commencement of Construction of the applicable section the UWHR and MFS Access Road. 3. The Construction must be undertaken in accordance with the certified detailed design report for each road section.
GEO3	Notwithstanding **Conditions GEO1 and GEO2** that relate specifically to the UWHR and MFS Access Road, all other earthworks, excavations and associated infrastructure for the Stockton, MFS and ESE Sub-Areas must be: a. Designed by a SQEP to achieve geotechnical stability; and b. Designed, constructed and maintained in accordance with a Ground and Strata Instability Principal Hazard Management Plan (**GSI PHMP**) that has been prepared in accordance with the Health and Safety at Work (Mining Operations and Quarrying Operations) Regulations 2016. ***Advice note:*** *For the purposes of this condition, a SQEP may be a CPEng Geotechnical Engineering; or a Professional Engineering Geology (PEngGeol); or a Chartered Professional (Geotechnical) with AusIMM; or a recognised geotechnical engineering professional to the satisfaction of the Approval Authority.*
GEO4	1. The Approval Holder must: a. Maintain a GSI PHMP for the Stockton Sub-Area for the duration of these Approvals; and b. Prepare a GSI PHMP for the UWHR, MFS and ESE Sub-Areas prior to commencing Mining Operations within the UWHR, MFS and the ESE Sub-Areas and maintain that GSI PHMP for the duration of these Approvals. 2. The Approval Holder must provide the Approval Authority with a copy of the latest version of the GSI PHMP required by (a) and (b) upon written request. ***Advice note:*** *the GSI PHMP for the UWHR, MFS and ESE Sub-Areas may be incorporated into the GSI PHMP for the Stockton sub-area.*

Reference	Condition
GEO5	A GSI PHMP must include: a. Management of geotechnical risks associated with natural hazards; b. Design criteria, including target FoS determined using recognised industry-standard methodologies; c. The methodology used to determine FoS, including assessment of credible failure mechanisms; d. Slope performance criteria, including displacement thresholds; e. A monitoring programme, commensurate with risk and FoS; f. Trigger levels (including rainfall and deformation-based triggers); g. A Trigger Action Response Plan (**TARP**) including actions, timeframes, and roles and responsibilities; h. A review framework, including periodic review and review following trigger exceedance; i. Reporting requirements for trigger exceedances, including cause of instability, updated stability assessment, recommended mitigation, and changes to monitoring or design assumptions.
GEO6	To minimise the potential for AMD impacted water to enter historic underground workings, prior to the completion of the final landform, the Approval Holder must (where practicable) seal or block any newly exposed openings to historic underground workings within the Stockton, ESE and MFS Sub-Areas that have arisen as result of BPCP activities.
	EROSION AND SEDIMENT CONTROL
ERO1	1. The Approval Holder must prepare and implement the Water Infrastructure Design Plan (**WIDP**) referred to in **Condition MP1**, subject to any amendments made in accordance with **Conditions MP13 to MP16**). All works and activities carried out under this Approval must be undertaken in accordance with the WIDP to the extent they relate to land disturbance activities undertaken within the Stockton, ESE, MFS and UWHR Sub-Areas where the surface runoff reports to an established and operational water management system.

Reference	Condition
	2. The objectives of the WIPD must: a. Ensure that water infrastructure is suitably designed to minimise environmental effects and in accordance with the requirements of this Approval; and b. Provide consistent design guidelines across the BPCP that achieve operational and safety requirements.
ERO2	1. The Approval Holder must implement the Erosion and Sediment Control Plan for Land Disturbance Activities (**ESCPLDA**) referred to in **Condition MP1**, subject to any amendments made in accordance with **Conditions MP13 to MP16**). All works and activities carried out under this Approval must be undertaken in accordance with the ESCPLDA to the extent they relate to new land disturbance activities undertaken within the Stockton, ESE, MFS and UWHR Sub-Areas where the surface runoff does not report to an established and operational water management system. 2. The objectives of the ESCPLDA must: a. Ensure that sediment discharges from BPCP land disturbance activities are minimised to the extent practicable and in accordance with the requirements of this Approval; and b. Ensure that erosion and sediment control measures and methodologies are designed and implemented, as soon as is practicable, prior to commencement of bulk earthworks and land disturbing activities. ***Advice note:*** *a water management system may include operational diversion drains, sediment ponds, collection ponds and / or other operational mine water management infrastructure.*
ERO3	The ESCPLDA (**Condition ERO2**) must include: a. The management approach to be applied to erosion and sediment control during land disturbance associated with BPCP civil works; b. The management approach to be applied to erosion and sediment control associated with BPCP land disturbance activities within mining pit areas; c. Detail of the design principles and methodologies used to specify erosion and sediment control devices and describe how they are to be used to develop Site Specific Erosion and Sediment Control Plans (**SSESCP**) and Dig/Dump Plans;

Reference	Condition
	d. Detail of the methodology to be used when changes or adjustments are required to SSESCPs or Dig/Dump Plans, and for emergency remedial actions; e. Detail of the design principles to be applied to in-stream works during the construction of culverts and stream crossings; f. Detail of the design principles to be applied to the construction of new sediment retention ponds that are to be retained as permanent water management infrastructure for BPCP Mining Operations; g. Detail of the monitoring, inspection and maintenance programme to be implemented to assess and ensure erosion and sediment control devices continue to operate as designed until such time as they are decommissioned; h. Roles and responsibilities associated with the management of erosion and sediment control for the BPCP, including those of a SQEP in Erosion and Sediment Control, which may be a Certified Practitioner in Erosion and Sediment Control, a Registered Soil Practitioner – Erosion and Sediment Control, or an equivalent SQEP to the satisfaction of the Approval Authority; and i. Reporting requirements associated with the management of erosion and sediment control for the BPCP.
ERO4	1. Prior to land disturbance within any specific working area(s) associated with BPCP civil works, the Approval Holder must prepare a SSESCP for the area(s). The objective of a SSESCP is to implement the ESCPLDA by providing the detailed design for all erosion and sediment control measures to be implemented within a working area. 2. The SSESCP must be approved by a SQEP and provided to the Approval Authority at least 10 working days prior to the proposed commencement of land disturbance activities in the specific working area(s). The SQEP must be available to meet with the Approval Authority on request. 3. A SSESCP may be amended by the Approval Holder in response to modifications to work procedures and/or catchment areas, the identification of improvements to the plan, or as unforeseen issues are encountered during the works. Amended SSESCPs must be approved by a SQEP and be provided to the Approval Authority, as soon as is practicable. ***Advice Note:*** *SSESCPs may be prepared for each working area separately, or multiple working areas combined.*

Reference	Condition
ERO5	1. Prior to land disturbance within any specific working area(s) associated with BPCP land disturbance activities within mining pit areas, the Approval Holder must prepare a Dig/Dump Plan for the area(s). The objective of a Dig/Dump Plan is to implement the ESCPLDA by providing the detailed design for all erosion and sediment control measures to be implemented within a working area. 2. The Dig/Dump Plan (and any amendments thereof) must be approved by a SQEP and the most up to date version of the Dig/Dump Plan must be made available to the Approval Authority upon written request. ***Advice Note:*** *Dig/Dump Plans may be prepared for each working area separately, or multiple working areas combined.*
ERO6	Each SSESCP (**Condition ERO4**) and Dig/Dump Plan (**Condition ERO5**) must include: a. Contact details for the person responsible for implementing the plan; b. Contact details of the approving SQEP, if different from (a); c. A description of the land disturbance and construction activities to be undertaken, including the expected duration; d. Catchment areas, boundaries and contour information; e. The specific erosion and sediment control measures to be implemented, including their location, dimensions, capacity, operation and maintenance; f. Supporting calculations and design drawings; g. The location(s) of stabilised entranceway(s); h. Details of temporary and permanent stabilisation; i. The construction methodology for any in-stream works within the working area of the plan; j. The chemical treatment plan to be implemented within the working area of the plan; k. The applicable downstream BPCP turbidity compliance monitoring location(s); and l. Any other measures to be implemented to achieve the conditions of this consent.

Reference	Condition
ERO7	1. Each sediment retention device constructed in accordance with a SSESCP or Dig/Dump Plan must be 'as-built' verified by a SQEP to confirm that the device has been constructed consistently with the ESCPLDA. 2. The Approval Holder must retain 'as-built' records of all sediment retention devices and provide a copy of the SQEP 'as-built' verification to the Approval Authority upon written request.
ERO8	When and where in-stream works (**Condition ERO6(i)**) are undertaken in accordance with a SSESCP or Dig/Dump Plan, the Approval Holder must undertake a programme of monitoring for deposited fine sediment and any associated adaptive management, as described in the Aquatic Ecology Management Plan (**Condition WAT10**).
ERO9	1. The Approval Holder must operate and maintain all new sediment retention devices within the Stockton, ESE, MFS and UWHR Sub-Areas which have discharges that report directly to the receiving environment in accordance with the ESCPLDA to prevent surface runoff directly entering the receiving environment without having first passed through the device. 2. The Approval Holder must notify the Approval Authority within 24 hours of becoming aware of any surface runoff directly entering the receiving environment that has passed through a working area without having first passed through sedimentation treatment.
ERO10	Erosion and sediment control measures must be removed by the Approval Holder: a. Once the corresponding catchment area has been permanently stabilised; and b. In accordance with a SSESCP (**Condition ERO4**) or a Dig/Dump Plan (**Condition ERO5**).
ERO11	The Approval Holder must construct and commission those permanent sediment retention ponds within the UWHR Sub-Area that can be accessed via existing areas of disturbance prior to the commencement of bulk earthworks in the associated catchment, namely: a. Sump #2, road section E2C, in the approximate vicinity of NZTM E1500430, N5374900 b. Sump #3, road section E2C, in the approximate vicinity of NZTM E1500510, N5375420 c. Sump #4, road section E2C, in the approximate vicinity of NZTM E1500690, N5375580

Reference	Condition
	d. Sump #5, road section C2B, in the approximate vicinity of NZTM E1500950, N5376300 e. Sump #6, road section C2B, in the approximate vicinity of NZTM E1501330, N5376590 f. Sump #7, road section C2B, in the approximate vicinity of NZTM E1501650, N5376720 g. Sump #8, road section B2B, in the approximate vicinity of NZTM E1502330, N5377200 h. Sump #9, road section B2B, in the approximate vicinity of NZTM E1502720, N5377290 i. Sump #10, road section B2B, in the approximate vicinity of NZTM E1503480, N5377410 j. Sump #11, road section B2B, in the approximate vicinity of NZTM E1503740, N5377570 k. Sump #12, road section B2F, in the approximate vicinity of NZTM E1504560, N5377790 l. Sump #13, road section F2C, in the approximate vicinity of NZTM E1505330, N5378590
ERO12	1. Discharges from the spillway of any sump in the Stockton, ESE, MFS and UWHR Sub-Areas must not result in scour (erosion) or bank instability in a downstream natural waterway beyond the Project Disturbance Area. 2. The Approval Holder must inspect the area immediately downstream of all sump spillways at not less than three monthly intervals for signs of stream bank scour or instability, or erosion where the spillway discharge occurs first to land. The Approval Holder must record the findings of these inspections and report those findings to the Approval Authority annually as part of the Annual Ecohydrology Monitoring Report (**Condition REP1**).
	MATERIALS RELOCATION
MAT1	The Approval Holder may place up to 25,000 bank cubic metres of waste rock from the Construction of the UWHR that is unsuitable for use as fill materials, due to its geochemical or geophysical properties, within Engineered Landforms at the ESE Sub-Area.
MAT2	The Approval Holder may place up to 50,000 bank cubic metres of waste rock from the Construction of the UWHR that is unsuitable for use as fill materials, due to its geochemical or geophysical properties, within ELFs in the Mangatini catchment of the Stockton Sub-Area.

Reference	Condition
MAT3	The Approval Holder may place up to 3,160,000 bank cubic metres of potentially acid forming (PAF) waste rock from the Cypress Mine within ELFs in the Mangatini catchment of the Stockton sub-area.
MAT4	The Approval Holder may relocate non-acid forming materials, including aggregate, from any of the Project Sub-Areas into any other Project Sub-Area for purposes including civil construction, final landform construction, rehabilitation, haul road maintenance, water management infrastructure establishment and maintenance.
MAT5	The Approval Holder may relocate soil from any of the Project Sub-Areas into any other Project Sub-Area for the purpose of rehabilitation, in accordance with the Rehabilitation Management Plan (**Condition RHM1**).
MAT6	The Approval Holder may place water treatment sludge from the WTP or from the passive treatment systems in the MFS Sub-Area within: a. ELFs in the MFS Sub-Area, until such time all MFS rehabilitation is complete; or b. ELFs in the ESE Sub-Area, until such time as all ESE rehabilitation is complete; or c. ELFs the Stockton Sub-Area.
MAT7	The Approval Holder may place water treatment sludge from the WTP or from the passive treatment systems in the ESE Sub-Area within: a. ELFs in the ESE Sub-Area, until such time as all ESE rehabilitation is complete; or b. ELFs the Stockton Sub-Area.
MAT8	The Approval Holder may relocate coal from any of the Project Sub-Areas into the Stockton Sub-Area for processing, handling and storage at the Stockton CHPP and Ngākawau Rail Loadout facility.