

WI-ENV-PER-0013 GROUND DISTURBANCE PERMIT

PERMIT NUMBER	PERMIT NAME	DATE RECEIVED	PERMIT APPROVAL DATE	PERMIT EXPIRY DATE
GDP-				

(Office use only)

This Ground Disturbance Permit (GDP) is to be completed for all ground disturbance works within the Project Approval boundary. All activities are to be undertaken in accordance with the site approval conditions, site management plans and the conditions contained in this GDP. All works are to be undertaken in an environmentally responsible manner to ensure the conservation of natural resources and environment.

This permit is to be completed for all ground disturbance works, including (but not limited to):

- Disturbance of vegetation (grass, shrubs or trees) by machinery or other means (clearing or slashing)
- Disturbance of topsoil, subsoil or surface rock layer of the ground by machinery or other means (stripping, stockpile establishment, placement of infrastructure/materials on unstripped ground (eg laydown areas, pipelines), geotechnical drilling or test pits, creation and alteration of access tracks and roads)

SECTION 1 - Application Details

To be completed by the Originator

Originator's Name	Originator's Position	Contact Details
Nature of the works (Description)		Size of Disturbance (ha)

Attachments to this GDP	Estimated Timing of the works
<p>A DXF file of the proposed area of disturbance been provided with this application?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>Map(s) of proposed GDP area which shows: roads (existing and proposed), waterways, statutory boundaries, cultural heritage, drainage, contours, fences, topsoil stockpiles (existing and proposed) & rehabilitation.</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>An erosion and sediment control plan been included with this application?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>Has a risk assessment been undertaken for this project?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO If so, is it attached? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>Ecological Clearance Certificate <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p> <p>Heritage Clearance Certificate <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p>	<p>Proposed Commencement ___/___/___</p> <p>Proposed Completion ___/___/___</p> <p><i>Approval valid for 1 month from date of approval. If works have not commenced then the permit is suspended and it to be re-approved to start the works. If works have commenced permit valid for the duration of the works unless cancelled or amended.</i></p>
Ground Disturbance Risk Rating (to be completed by the Environment Department)	
<input type="checkbox"/> Low	<input type="checkbox"/> Medium
<input type="checkbox"/> High	<input type="checkbox"/> Extreme

IMPORTANT GENERAL CONDITIONS OF THIS APPLICATION & APPROVAL

This Ground Disturbance Permit (GDP) is to be completed for all ground disturbances within the Project Approval boundary. All activities are to be undertaken in accordance with the site approval conditions, site management plans and the conditions contained in this GDP. The application and subsequent execution will be in accordance with WI-ENV-PRO-0055 Wilpinjong Coal Mine Ground Disturbance Permit Procedure. All works are to be undertaken in an environmentally responsible manner to ensure the conservation of natural resources and the environment.

A notification period of no less than 14 days MUST be provided to the Environmental Advisor and Mining Engineer (unless by agreement of all parties, or in the event of an emergency) prior to any proposed ground disturbance.

Approval of all ground disturbance works must be given prior to the commencement of any ground clearance activities by those outlined in Section 1. One application is to be submitted per clearing location and clearing is limited to the area specified in the permit. If the area changes a new permit MUST be approved. Each permit expires ONE month from the date of approval, unless the works have commenced, in which case the permit is valid for the duration of the works. The permit may be cancelled or amended.

The OST/Contractor Supervisor, in charge of work is responsible for ensuring all persons working under the Permit are aware of and comply with permit conditions. Approval under this permit does not relieve any employee or contractor from their responsibility to rectify or improve clearing methods should the desired result not be achieved.

Pegging and demarcation of the approved disturbance footprint is the responsibility of the OST/Contractor Supervisor.

Adequate Erosion and Sediment controls MUST be in place **PRIOR** to any ground disturbance works. Clean water diversions around the ground disturbance site must be considered and all dirty water must be managed in accordance with the approved GDP Erosion and Sediment Control Plan. It is the responsibility of the OST/Contractor Supervisor to ensure that the Erosion and Sediment control devices are inspected regularly to ensure effectiveness and after 30mm of rain within a 24 hour period.

The OST/Contractor Supervisor is to ensure all drainage controls are also to be in place **PRIOR** to any ground disturbance works. Flood mitigation measures MUST be considered during the planning of project works near natural watercourses. No works should be planned or undertaken within 40m of the top bank of a watercourse. All controls have been designed to support a 1/100yr flood event to ensure that NO fresh/clean water can enter the worksite (unless accepted to be managed through the mine water management system) and potentially flood Pit areas. No water can be discharged off the mine site without prior approval from the Manager E & C.

Clearing, topsoil removal and stockpiling activities must be inspected at regular intervals to ensure effectiveness of management. Time between vegetation and topsoil clearing, and the proposed activity, must be minimised to ensure areas are NOT left open to scour, erode or generate dust.

In the event that a potential Aboriginal artefact, bones or any other object of potential archaeological significance is unearthed during ground disturbance works, or in the event that a protected animal or plant is identified in the work area, ALL works are to **STOP** immediately and the Environment and Community Manager notified without delay. Work can only be recommenced upon approval from the Environment and Community Manager.

A copy of this permit MUST be available for review by any requesting person at the work site during disturbance works.

Acknowledgement of these general conditions by the Originator of this GDP.

Name : _____ Position : _____

Signature : _____ Date : ____/____/____

Acknowledgement of these general conditions by the OST/Contractor Supervisor of this GDP.

Name : _____ Position : _____

Signature : _____ Date : ____/____/____

SECTION 2 - LEGISLATIVE & APPROVALS - ALL QUESTIONS TO BE ANSWERED

To be completed by the Environment Department.

2.1 Legislative & Approvals Checklist (any answers in the shaded boxes requires comments below)	Environment Representative			Enviro
	YES	NO	NA	Initial
1. Is the proposed project consistent with the current Project Approval? If no, permit application is to cease and the Originator consulted. The Originator is to provide detail that the project is consistent with the Project Approval.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Is the proposed project consistent with the Environmental Protection License? If No, permit application is to cease and the Originator consulted. Originator and Environment Department are to consider options. Environment Manager approval is required before application can continue.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Are there any monitoring sites (blast, dust, surface water, groundwater, noise, rehabilitation), located within the vicinity of the proposed project site? If so, are they plotted on the Final Plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Are there likely to be dust, blast/vibration and noise impacts? Is the proposed project consistent with the approved site management plans? If so, list particular management plans that are relevant for the project in the SPECIFIC CONDITIONS OF APPROVAL section at the end of this permit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Is the proposed project within 40m from the top bank of a watercourse/ flowline / waterbody? If so, list additional protection measures that must be imposed in the SPECIFIC CONDITIONS OF APPROVAL section at the end of this permit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Information on the soil type, current groundcover, and compaction requirements has been included.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTE - all questions that have been ticked in the shaded area must be considered with caution. Any relevant notes are to be detailed below.

SECTION 2 - GENERAL ENVIRONMENTAL ISSUES - ALL QUESTIONS MUST BE ANSWERED

To be completed by the Environment Department.

2.2 Environment, Land use and Community (any answers in the shaded boxes requires comments below)	Environment Representative			Enviro
	YES	NO	NA	Initial
1. ECOLOGICAL - have any protected or endangered species or ecological communities been identified in the proposed disturbance area boundary?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. ECOLOGICAL - has a pre-clearance survey been conducted by an appropriately qualified ecologist?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. ECOLOGICAL - has sensitive wildlife habitats - such as tree hollows, been identified within the proposed project area boundary and appropriate pre clearance measures implemented? How many habitat trees are within the proposed area _____?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. HERITAGE - have any Aboriginal heritage items or items of European heritage significance been identified as currently existing with the proposed disturbance area boundary?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. HERITAGE - Is a pre-clearance / salvage project required to be undertaken by a suitably qualified archaeologist? If so, evidence of cultural heritage clearance is to be attached to the finalised permit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. HERITAGE – Has the Native Title Liaison Officer been notified of this application? If so, please attach evidence of notification.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. SENSITIVE AREAS- are any sensitive areas (ecological or heritage) identified within 200m of the proposed project area? Are any areas required to be fenced off prior to any earthworks commencing? If so, list details in the SPECIFIC CONDITIONS OF APPROVAL section at the end of this permit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8. COMMUNITY – Is the proposed activity within the mine sites ownership and property boundaries? Check for land ownership	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9. COMMUNITY – Do a leaseholder or member of the community need to be contacted regarding the proposed activity? If so, list details in the SPECIFIC CONDITIONS OF APPROVAL section at the end of this permit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10. LANDUSE – Is the proposed area within existing rehabilitation or a known land contamination area? If so, list comments below and list details in the SPECIFIC CONDITIONS OF APPROVAL section as the end of this permit (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTE - all questions that have been ticked in the shaded area must be considered with notes detailing outcomes listed below. Any other environmental considerations must also be listed below.

SECTION 3 - REHABILITATION - ALL QUESTIONS MUST BE ANSWERED

To be completed by the Originator (Mining Engineer), reviewed by others.

3.1 General (any answers in the shaded boxes requires comments below)	Mining Engineer			Enviro Initial	Survey Initial	Mining Initial
	YES	NO	NA			
1. Is the proposed project within with the current Mining Operations Plan Boundary and in accordance with proposed activities under the current MOP? If no, permit application is to cease until rectified.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
2. Is there any infrastructure that requires relocation or decommissioning (including fences, powerlines, cables, buildings, roads), within or around the proposed project site. If so, details are to be provided below and any conditions are to be recorded in the SPECIFIC CONDITIONS OF APPROVAL section at the end of this permit. (See Snr Surveyor)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
3. Has access to and from the site been allowed for? If so, all tracks are to be plotted on the Final Plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
4. Is the proposed project consistent with the Wilpinjong Mine Closure Plan and Final Landform Design? If No, permit application is to cease and consult with the Originator. Manager E & C approval is required before application can continue.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

NOTE - all questions that have been ticked in the shaded area must be discussed below by the Originator informing other signatories as to why this information has not been included.

SECTION 3- REHABILITATION - ALL QUESTIONS MUST BE ANSWERED

To be completed by the Originator (Mining Engineer), reviewed by others.

3.2 Topsoil Management (any answers in the shaded boxes requires comments below)	Mining Engineer			Enviro Initial	Survey Initial	Mining Initial
	YES	NO	NA			
1. A plan (to scale) has been developed illustrating the location of the proposed & existing topsoil stockpiles, including all topographical, watercourse and other natural and man-made features (roads, drainage & erosion control).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
2. Topsoil is to be stripped to __0.0 - 0.3__ mm.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
3. Please identify the volume of the proposed topsoil to be removed __17,000m3__. Does the proposed topsoil stockpile location provide adequate storage? Please identify the topsoil stockpile(s) location identification number _____.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
4. Is the topsoil location in accordance with currently approved MOP? If not, why? (please make a comment below)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
5. Has the location of the topsoil stockpiles considered future access/use? ie. all efforts to ensure that topsoil stockpile locations are in behind the advance of mining	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
6. The maximum height of the stockpile is 3 m. This has been included on the Stockpile plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
7. Has drainage been designed to WCPL ESC Management Plan, to minimise loss of Topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
8. Are Erosion and Sediment Controls adequate? This includes stockpile is designed in accordance with WCPL ESC Management Plan, and surface stabilisation has been considered.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
9. Are there any other specific comments/ requirements for the Topsoil Stockpiles? If so, they are to be recorded in the SPECIFIC CONDITIONS OF APPROVAL section at the end of this permit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

NOTE – all questions that have been ticked in the shaded area must be discussed below by the Originator informing other signatories as to why this information has not been included.

SECTION 4 - EROSION & SEDIMENT CONTROL - ALL QUESTIONS MUST BE ANSWERED

To be completed by the Originator (Mining Engineer), reviewed by the Environment Department.

All Erosion and Sediment Control Plans are to be designed in accordance with the Wilpinjong Coal Erosion and Sediment Control Management Plan, and the Soil and Construction, Managing Urban Stormwater, Landcom "Blue Book", Volume 1 and Volume 2C (Unsealed Roads), and 2E (Mines and Quarries).

An Erosion and Sediment Control Plan is to be developed and included with this GDP. This is to be undertaken by the Mining Engineer and reviewed by the Environmental Advisor.

4.1 Erosion and Sediment Control Plan Checklist (any answers in the shaded boxes requires comments below)	Originator			Enviro Initial
	YES	NO	NA	
1. A map (to scale) has been developed of the proposed project site, including topographical and other natural and man-made features.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. The plan name and number, version number, plan developer, reviewer, legend and north arrow have all been included.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. All watercourses (dams, tributaries, drainage lines, creek or rivers) have been located and clearly identified on the map. Consideration to drainage and diverting flow away from these areas has been given.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Proposed drainage and subsequent erosion and sediment control devices have been shown, and construction diagrams (as per the 'Blue Book') are provided. Specific materials (such as rock type/size, sediment filter details, geotextile fabric etc) are identified.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Design calculations (if required) for temporary and/or permanent drains, banks and sediment basins are provided.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. An activity work schedule (to demonstrate the implementation, inspection and removal process) of the erosion and sediment control devices has been provided.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Has the size of the erosion and sediment control structures been verified by the surveyor to confirm calculations and sizes?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTE - all questions that have been ticked in the shaded area must be discussed and agreed upon with the Environmental Advisor and/or Manager. Notes as to why this information has not been provided is to be included below:

SECTION 5 - CONTRACTOR/OST SUPERVISOR CONSIDERATIONS

To be completed by the Contractor/OST Supervisor, reviewed by others.

5.1 Contractor/OST Check sheet (any answers in the shaded boxes requires comments below)	Originator			Tech Services Initial	MM Initial
	YES	NO	NA		
1. Is a list of potential sub contractors included below?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2. Have all sub contractors been made aware of the conditions contained within this permit?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3. Are all sub contractors suitably qualified to complete their designated tasks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6. Erosion and sediment control devices inspected and functioning appropriately (rain event consisting of 20mm in 24 hour period)? If yes, when and by whom? _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

List Potential Sub Contracting Companies

Supervisor Name	Company	Signature	Date

SECTION 6 - SURVEY APPROVAL- ALL QUESTIONS TO BE ANSWERED

To be completed by Registered Mining Surveyor

6.1 Survey Checklist (any answers in the shaded boxes requires comments below)	Registered Mining Surveyor			Tech Services Initial
	YES	NO	NA	
1. Has a review of services been undertaken to ensure no above ground or underground services are located within the vicinity of the proposed project site? If services are located the Originator is to be consulted and arrangements regarding service interruption and/or relocation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Have the proposed area of disturbance including clearing and/or stockpile sites been identified and location checked to be within an approved area of the mining operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Have all clearance limits, NO GO zones and/or stockpiles been demarcated and clearly delineated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. If a new topsoil stockpile location is required, has the topsoil register been updated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTE - all questions that have been ticked in the shaded area must be discussed and agreed upon with the Originator and Technical Services Manager. Notes as to why this information has not been provided is to be included below:

SECTION 7 - INSPECTION

To be completed by ENVIRONMENT DEPARTMENT

7.1 Inspection Checklist (any answers in the shaded boxes requires comments below)	Environmental Advisor			Enviro Initial
	YES	NO	NA	
Pre Strip				
1. Has an environmental inspection been undertaken of the area? <i>Date & by whom: _____ . If not, state reasoning why below.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Has the Erosion and Sediment Control Plan has been implemented and is installed as per the approved plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Is the area clearly demarcated in accordance with GDP requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Are there any new issues that have been identified that require addressing, prior to pre-strip and earthworks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Post Strip				
5. Topsoil resource salvage stockpiling is in accordance with the conditions of this permit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Are there any new issues that have been identified that require addressing, prior to or during mining?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Are the Erosion and Sediment Control structures adequate and are they performing?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTE - all questions that have been ticked in the shaded area must be discussed and agreed upon with the Originator and Mining Manager prior to pre-strip

SECTION 8. SPECIFIC PROJECT CONDITIONS

TO BE ADHERED TO FOR THE DURATION OF THE PROJECT

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

Approvals

APPROVAL	Environment Manager	Technical Services Manager	Mining Manager
Name:			
Signature:			
Date:	/ /	/ /	/ /

SECTION 9 - GDP Closure

To be completed by OST/Contractor Supervisor and reviewed by others

8.1 Close out checklist (any answers in the shaded boxes requires comments below)	Contract Supervisor			Enviro Initial	Survey Initial
	YES	NO	NA		
1. Is the GDP completed? Date work was completed _____ Name: _____ Signature: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2. Is 'as constructed' survey attached? If not, please provide comments below.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3. Total area of disturbance confirmed? Please define area of disturbance _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4. Was the GDP carried out in accordance with the conditions of the GDP? If not, please provide comments below.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5. Have total topsoil inventory and location been updated with survey information? If not, please provide comments below.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6. Has the GDP footprint layer been updated to show this area as disturbed? If not, please provide comments below.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7. Does the contaminated land register require to be updated? If not, please provide comments below.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8. Are there any new issues that have been identified that require addressing, prior to close out of GDP? If yes, please provide comments below.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

NOTE - all questions that have been ticked in the shaded area must be discussed and agreed upon with the Originator and Environment Manager prior to close out.

RISK RANKING

Risk Matrix – Risk Level Explanations

Extreme	Job shall not proceed. PGM intervention & resolution required to reduce to Risk Acceptable and ALARA
High	Job and conditions of approval shall be reviewed and signed by Project General Manager prior to work
Medium	Job can proceed subject to approval, and conditions of approval
Low	Job can proceed subject to approval, and conditions of approval

Risk Matrix						
		Consequence				
		1	2	3	4	5
Likelihood	A Almost Certain	11	16	20	23	25
	B Likely	7	12	17	21	24
	C Possible	4	8	13	18	22
	D Unlikely	2	5	9	14	19
	E Rare	1	3	6	10	15

Environmental Consequence Explanation		
1	Insignificant	No environmental effects
2	Minor	Theoretically could affect the environment or people but unlikely. Public complaints unlikely. Unlikely to affect legal compliance.
3	Moderate	Water, soil or air likely to be affected, probably in the short term. No damage to flora or fauna. Public complaints unlikely. Prosecution unlikely. Damage costs less than \$10,000.
4	Major	Water, soil or air affected badly, possibly in the long term. Damage or death to limited numbers of flora or fauna. Public complaints likely. Damage or relocation of archaeological/heritage property. Likely prosecution. Damage costs between \$10,000 and \$100,000.
5	Catastrophic	Long-term damage to water, soil or air. Damage or death to significant numbers of flora or fauna. Many public complaints, possible evacuation. Destruction of archaeological/heritage property. Almost certain environmental prosecution. Damage costs exceeding \$100,000.

Likelihood Explanations			
		Definitions	Guide
Ratings	A Almost Certain	The event is expected to occur in most circumstances	Once per week
	B Likely	Will probably occur in most circumstances	Once per month
	C Possible	Might occur at some time	Once per year
	D Unlikely	Could occur at some time	Once per 10 years
	E Rare	Unlikely to occur in the life of the mine	Once per life of facility (30-100 years)

GDP ROLES & RESPONSIBILITIES

Originator <i>Person instigating the Ground Disturbance Permit. Will most commonly be a Mining Engineer but could be Surveyor, Geologist, Environmental Advisor etc</i>	<p>Ensure that the permit is completed in a timely manner and allows a minimum of 14 days prior to proposed disturbance;</p>
Mining Engineer	<p>Completes all relevant fields on the GDP application and submits it to the Environmental Advisor for review</p>
OST/Contractor Supervisor <i>Person in the field, responsible for ensure the works are executed as per the permit. Manages the physical aspects of the GDP including weather impacts and Peabody operators/equipment and/or contractor operators/equipment</i>	<p>Ensures suitable resources (eg. Surveyors) are organised to delineate the disturbance footprint to a standard such that the boundary is clearly identifiable on the ground and all workers. All work is to be limited to within the defined disturbance footprint;</p> <p>Ensures that all relevant employees/contractors working under the GDP are made aware of and understand all terms and all conditions stated on this GDP;</p> <p>Ensure that all work is carried out in accordance with the control measures and conditions stated on with this GDP;</p> <p>Report any non-compliances with this GDP to the Environmental Advisor immediately after the event, and complete an incident report;</p> <p>Inspect the GDP area prior to, during and after the work has been completed (and after 30mm of rain within a 24hr period or intense rain storm event);</p> <p>At the completion of the work, complete the relevant close out section of the GDP and submit to the Environmental Advisor.</p>
Environmental Advisor <i>Person employed in the Environmental department suitably qualified or as nominated by the Environment Manager to review and sign off on the environmental aspects of the permit to ensure compliance.</i>	<p>Receives, reviews and processes the GDPs;</p> <p>Undertakes environmental and heritage assessment of the site and provides clearance for GDP to proceed;</p> <p>On review of the proposed ground disturbance works, provides any relevant environmental conditions on the GDP;</p> <p>Inspect the GDP area prior to, during and after the work has been completed;</p> <p>Ensure that all ground disturbance works are consistent with the Mining Operations Plan (MOP);</p> <p>Ensure that the proposed work methods are consistent with the project conditions of consent, EPL and relevant management plans;</p> <p>Review and approve the Erosion and Sediment Control Plan (ESCP) specific to the project;</p> <p>Closes out all GDPs:</p> <ul style="list-style-type: none"> Physically - by signing them off once the Originator provides the completed form back to the Environmental Advisor; Electronically, in the spread sheet. <p>Maintains Ground Disturbance Register</p>
Surveyor <i>Registered Mining Surveyor or nominated delegate. Suitably qualified to review and sign off on all survey related aspects of the permit.</i>	<p>Inspects service location maps and provides all details regarding underground and above ground services within the vicinity of the proposed works;</p> <p>Ensure that all ground disturbance works are consistent with the Mining Operations Plan Maps (MOP);</p> <p>Reconcile volumes and update topsoil inventory (if applicable);</p> <p>Maintains topsoil stockpile locations, GDP footprint, cultural clearance and GIS layers;</p> <p>Provides support as deemed necessary for the project.</p>

Environment & Community Manager <i>Environment and Community Manager or nominated delegate</i>	Reviews and provides sign off and authorization of the GDP; Communicates aspects of GDP to staff; Has the ability to authorise stop works or recommencement works.
Mining Manager <i>Mining Manager or nominated delegate</i>	Reviews and provides sign off and authorization of the GDP; Communicates aspects of GDP to staff. Has the ability to authorise stop works.
Technical Services Manager <i>Technical Services Manager or nominated delegate</i>	Reviews all engineering aspects of the project to ensure consistency with the mine plan; Reviews and provides sign off and authorization of the GDP; Has the ability to authorise stop works.
All Employees/ Contractors <i>All other persons involved in the GDP process</i>	Are aware of GDP requirements and limit work to activities within the approved disturbance footprint; Do not enter any no go areas or restricted areas; Report any non-compliances of this permit to the Originator immediately after the event.