Resources Regulator
Department of Regional NSW

Tuesday 2 April 2024

Assessable Prospecting Operation Application Decision Briefing and Review of Environmental Factors

Minore RC Drilling | APO0001619

Decision Maker	Monique Meyer
Prepared by	Marianne Bonnay
Title	EL 9031 (1992)
Authorised Representative	[redacted]
Project name	Minore RC Drilling
Activity type	Non-Complying Exploration Activity

Issue

[redacted] has sought an activity approval in respect of Minore RC Drilling, within EL 9031 (1992), at Approximately 15km SW of Dubbo.

Pursuant to section 2.8 of *State Environmental Planning Policy (Resources and Energy) 2021*, development for the purposes of exploration (i.e. prospecting) may be carried out without development consent.

An authority issued under the *Mining Act 1992* is subject to a condition that the authority holder must not carry out an assessable prospecting operation on land over which the authority is granted unless an activity approval has been obtained for the carrying out of the assessable prospecting operation.

As assessable prospecting operations require approval by the Minister under the *Mining Act 1992*, a duty is imposed on determining authorities under Part 5 of the *Environmental Planning and Assessment Act 1979* to:

- examine and take into account to the fullest extent possible all matters affecting or likely to affect the environmental by reason of the proposed activity; and
- if the activity is likely to significantly affect the environment, examine and consider an environmental impact statement in respect of the activity.

The Minister is the determining authority for all exploration activities subject to environmental assessment under Part 5 of the *Environmental Planning and Assessment Act 1979*.

The Decision Maker, under delegation from the Minister, is required to determine whether:

- the proposed activity is not likely to have a significant impact on the environment and is not likely to significantly affect threatened species, populations or ecological communities (or their habitats) or impact biodiversity values and can be approved,
- the proposed activity is likely to have a significant impact on the environment and therefore an Environmental Impact Statement (EIS) is required,

- the proposed activity will be carried out in a declared area of outstanding biodiversity value and is likely to significantly affect threatened species, populations or ecological communities, or their habitats or impact biodiversity values, meaning a Species Impact Statement (SIS) and/or Biodiversity Development and Assessment Report (BDAR) is required, or
- there is insufficient information to make a decision.

Background

This exploration activity approval is being sought under EL9031 (granted 6/11/2020 & expiry 6/11/2026) to undertake assessable prospecting operations.

The current security deposit held for EL9031 is $10,000.

This application forms part of the Minore RC Drilling exploration program and previously approved exploration activities that form part of this program include:

1. APO0001681 for 16 drillholes approved on approved 22/2/24.

Proposed exploration activity

The proposed exploration activity (including details of the site, the existing environment, impact thresholds and impact management) are described in *APPLICATION TO UNDERTAKE ASSESSABLE PROSPECTING OPERATIONS Minore RC Drilling* report and the information provided in support of the application.

The objective of the proposed exploration activity is to carry out works on, or to remove samples from, land for the purpose of testing the resource quality and/or quantity of the land. This is consistent with the objects of the *Mining Act 1992*, including to facilitate the discovery and development of resources in NSW.

No alternatives options to the proposed activity were considered.

Security

The application triggered a review of the assessed deposit to secure funding for the fulfilment of obligations if Minore RC Drilling is approved.

Refer to RCE Record RCE0001783

Assessment of Impacts (Non-complying exploration activity)

An assessment of the significance of environmental impacts associated with the proposed activity was undertaken in accordance with the Department of Planning and Environment's "*Guidelines for Division 5.1 assessments*". The results of this assessment are documented in the attached Review of Environmental Factors document.

The assessment has determined that the activity is not likely to significantly affect the environment, including threatened species or ecological communities (or their habitats), or declared areas of outstanding biodiversity value/critical habitat.

Additional terms (if approved)

No additional terms are required.

Summary

Based on the information provided in the *APPLICATION TO UNDERTAKE ASSESSABLE PROSPECTING OPERATIONS Minore RC Drilling* report, and the Review of Environmental Factors document, the proposed activity has been assessed as is not likely to have a significant impact on the environment and therefore an EIS is not required.

The application has been assessed and the recommendation is to Approve the activity.

Certification

I, Marianne Bonnay, certify that I have reviewed and endorsed the contents of the attached Review of Environmental Factors document and, to the best of my knowledge, it is in accordance with the *Environmental Planning and Assessment Act 1979,* the Environmental Planning and Assessment Regulation 2021 and the Guidelines approved under clause 170 of the EP&A Regulation, and the information it contains is neither false nor misleading.

Recommendation

The Decision Maker, under delegation from the Minister:

- Assesses the environmental impact of Minore RC Drilling and determines that the activity is is not likely to have a significant impact on the environment and therefore an EIS is not required under Part 5 of the *Environmental Planning and Assessment Act 1979*.
- Approve the activity pursuant to the *Mining Act 1992*.

Review of Environmental Factors document

Criteria	Air Impacts: Air quality impacts (including impacts on nearby sensitive receptors).
Potential impacts	Dust emissions from drilling operations and vehicle movements on unsealed surfaces have the potential to impact sensitive receivers near the drill site. No venting, flaring or re-use of gases will occur as part of the drilling program. The nearest sensitive receiver to the drilling area is approximately 1.5km away (to the west).
Proposed management controls	SRL Ops will inform nearby residents of the potential dust emissions from the RC drilling, and implement the following management measures, as required, to minimise the potential for air quality impacts to occur: * visually monitor dust from the drilling program *limit vehicle speeds to 40km/hr on formed tracks and 20km/hr on unformed tracks. The RC hole will be capped and rehabilitated once results are received from the laboratory. Minimal dust is expected from the RC drill holes. No significant air quality impacts are expected to occur. No venting, flaring or re-use of gases will occur as part of the drilling program.
Duration	2 days
Application ranking	Negligible

What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Air Impacts: Greenhouse or ozone impacts.		
Potential impacts	Dust emissions from drilling operations and vehicle movements on unsealed surfaces have the potential to impact sensitive receivers near the drill site. No venting, flaring or re-use of gases will occur as part of the drilling program. The nearest sensitive receiver to the drilling area is approximately 1.5km away (to the west).		
Proposed management controls	SRL Ops will inform nearby residents of the potential dust emissions from the RC drilling, and implement the following management measures, as required, to minimise the potential for air quality impacts to occur: * visually monitor dust from the drilling program *limit vehicle speeds to 40km/hr on formed tracks and 20km/hr on unformed tracks. The RC hole will be capped and rehabilitated once results are received from the laboratory. Minimal dust is expected from the RC drill holes. No significant air quality impacts are expected to occur. No venting, flaring or re-use of gases will occur as part of the drilling program.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Air Impacts: Additional impacts on areas with degraded air quality.		
Potential impacts	Dust emissions from drilling operations and vehicle movements on unsealed surfaces have the potential to impact sensitive receivers near the drill site. No venting, flaring or re-use of gases will occur as part of the drilling program. The nearest sensitive receiver to the drilling area is approximately 1.5km away (to the west).		
Proposed management controls	SRL Ops will inform nearby residents of the potential dust emissions from the RC drilling, and implement the following management measures, as required, to minimise the potential for air quality impacts to occur: * visually monitor dust from the drilling program *limit vehicle speeds to 40km/hr on formed tracks and 20km/hr on unformed tracks. The RC hole will be capped and rehabilitated once results are received from the laboratory. Minimal dust is expected from the RC drill holes. No significant air quality impacts are expected to occur. No venting, flaring or re-use of gases will occur as part of the drilling program.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No

How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Water Impacts: Impacts from the use of surface or groundwater.		
Potential impacts	The RC drilling location will be located outside of waterfront land and will involve minimal disturbance, therefore no significant sedimentation or erosion impacts are expected. SW The drilling location is approximately 45m from the nearest water course. The drill pad area will be located outside of waterfront land (i.e. more than 40m away) and will be moved if necessary, to remain outside of waterfront land. GW The nearest recorded groundwater bore to location Prop_3 is GW001278, approximately 16km to the north east. This bore had a total depth of 25.6m, however no water was recorded, and the casing was withdrawn. Prop_3 is within an area mapped as groundwater vulnerability. Intersection of groundwater may occur during RC drilling at this location. In the event that groundwater is intersected, the following produced water procedure will be implemented as required: *Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner are erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility. The closest groundwater bore to the proposed drill site is approximately 1.6km to the north east. However no water was recorded and the casing was withdrawn (GW001278). The produced water procedure will be implemented if significant groundwater is intersected.		
Proposed management controls	Erosion and sediment control measures will be implemented, as required, in accordance with the series Managing Urban Stormwater: Soils and Construction including Volume 1 (Landcom, 2004). SW Management The RC drilling program will be located outside of waterfront land and will involve minimal disturbance, therefore no significant sedimentation or erosion impacts are expected. Notwithstanding, erosion and sediment control measures will be implemented, as required, in accordance with the series Managing Urban Stormwater: Soils and Construction including Volume 1 (Landcom, 2004). It is expected that minimal water will be required for the RC drilling program. GW The nearest recorded groundwater bore to location Prop_3 is GW001278, approximately 16km to the north east. This bore had a total depth of 25.6m, however no water was recorded, and the casing was withdrawn. Prop_3 is within an area mapped as groundwater vulnerability. Intersection of significant groundwater is not anticipated, however in the event that groundwater is intersected, the following produced water procedure will be implemented as required: *Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner are erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility. If the RC hole intersects groundwater, it will be rehabilitated in accordance with government guidelines.		
Duration	2 days		
Application ranking	Negligible		

What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Water Impacts: Impacts from storage of water		
Potential impacts	The RC drilling location will be located outside of waterfront land and will involve minimal disturbance, therefore no significant sedimentation or erosion impacts are expected. GW The nearest recorded groundwater bore to location Prop_3 is GW001278, approximately 16km to the north east. This bore had a total depth of 25.6m, however no water was recorded, and the casing was withdrawn. Prop_3 is within an area mapped as groundwater vulnerability. Intersection of groundwater may occur during RC drilling at this location. In the event that groundwater is intersected, the following produced water procedure will be implemented as required: *Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner are erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility. The closest groundwater bore to the proposed drill site is approximately 1.6km to the north east. However no water was recorded and the casing was withdrawn (GW001278). The produced water procedure will be implemented if significant groundwater is intersected.		
Proposed management controls	Erosion and sediment control measures will be implemented, as required, in accordance with the series Managing Urban Stormwater: Soils and Construction including Volume 1 (Landcom, 2004). Intersection of significant groundwater is not anticipated, however in the event that groundwater is intersected, the following produced water procedure will be implemented as required: *Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner are erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility. If the RC hole intersects groundwater, it will be rehabilitated in accordance with government guidelines.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		

Criteria	Water Impacts: Impacts from changes to natural water bodies, wetlands or runoff patterns.
Potential impacts	The RC drilling location will be located outside of waterfront land and will involve minimal disturbance, therefore no significant sedimentation or erosion impacts are expected. SW The drilling location is approximately 45m from the nearest water course. The drill pad area will be located outside of waterfront land (i.e. more than 40m away) and will be moved if necessary, to remain outside of waterfront land. GW The nearest recorded groundwater bore to location Prop_3 is GW001278, approximately 16km to the north east. This bore had a total depth of 25.6m, however no water was recorded, and the casing was withdrawn. Prop_3 is within an area mapped as groundwater vulnerability. Intersection of groundwater may occur during RC drilling at this location. In the event that groundwater is intersected, the following produced water procedure will be implemented as required: *Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner are erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility. The closest groundwater bore to the proposed drill site is approximately 1.6km to the north east. However no water was recorded and the casing was withdrawn (GW001278). The produced water procedure will be implemented if significant groundwater is intersected.
Proposed management controls	SW Management The RC drilling program will be located outside of waterfront land and will involve minimal disturbance, therefore no significant sedimentation or erosion impacts are expected. Notwithstanding, erosion and sediment control measures will be implemented, as required, in accordance with the series Managing Urban Stormwater: Soils and Construction including Volume 1 (Landcom, 2004). It is expected that minimal water will be required for the RC drilling program. Erosion and sediment control measures will be implemented, as required, in accordance with the series Managing Urban Stormwater: Soils and Construction including Volume 1 (Landcom, 2004). Intersection of significant groundwater is not anticipated, however in the event that groundwater is intersected, the following produced water procedure will be implemented as required: *Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner are erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility. If the RC hole intersects groundwater, it will be rehabilitated in accordance with government guidelines.
Duration	2 days
Application ranking	Negligible

What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		

Criteria	Water Impacts: Impacts from aquifer interference, including changes to inter-aquifer connectivity.		
Potential impacts	The RC drilling location will be located outside of waterfront land and will involve minimal disturbance, therefore no significant sedimentation or erosion impacts are expected. GW The nearest recorded groundwater bore to location Prop_3 is GW001278, approximately 16km to the north east. This bore had a total depth of 25.6m, however no water was recorded, and the casing was withdrawn. Prop_3 is within an area mapped as groundwater vulnerability. Intersection of groundwater may occur during RC drilling at this location. In the event that groundwater is intersected, the following produced water procedure will be implemented as required: *Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner are erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility. The closest groundwater bore to the proposed drill site is approximately 1.6km to the north east. However no water was recorded and the casing was withdrawn (GW001278). The produced water procedure will be implemented if significant groundwater is intersected.		
Proposed management controls	Erosion and sediment control measures will be implemented, as required, in accordance with the series Managing Urban Stormwater: Soils and Construction including Volume 1 (Landcom, 2004). Intersection of significant groundwater is not anticipated, however in the event that groundwater is intersected, the following produced water procedure will be implemented as required: *Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner are erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility. If the RC hole intersects groundwater, it will be rehabilitated in accordance with government guidelines.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Water Impacts: Impacts from changes to flooding or tidal regimes.		

Potential impacts	The RC drilling location will be located outside of waterfront land and will involve minimal disturbance, therefore no significant sedimentation or erosion impacts are expected. SW The drilling location is approximately 45m from the nearest water course. The drill pad area will be located outside of waterfront land (i.e. more than 40m away) and will be moved if necessary, to remain outside of waterfront land. Intersection of groundwater may occur during RC drilling at this location. In the event that groundwater is intersected, the following produced water procedure will be implemented as required: *Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner are erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility. The closest groundwater bore to the proposed drill site is approximately 1.6km to the north east. However no water was recorded and the casing was withdrawn (GW001278). The produced water procedure will be implemented if significant groundwater is intersected.		
Proposed management controls	SW The drilling location is approximately 45m from the nearest water course. The drill pad area will be located outside of waterfront land (i.e. more than 40m away) and will be moved if necessary, to remain outside of waterfront land. SW Management The RC drilling program will be located outside of waterfront land and will involve minimal disturbance, therefore no significant sedimentation or erosion impacts are expected. Notwithstanding, erosion and sediment control measures will be implemented, as required, in accordance with the series Managing Urban Stormwater: Soils and Construction including Volume 1 (Landcom, 2004). It is expected that minimal water will be required for the RC drilling program. Intersection of significant groundwater is not anticipated, however in the event that groundwater is intersected, the following produced water procedure will be implemented as required: *Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner are erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility. If the RC hole intersects groundwater, it will be rehabilitated in accordance with government guidelines.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Water Impacts: Impacts from changes in surface or groundwater quality and quantity.		

Potential impacts	The RC drilling location will be located outside of waterfront land and will involve minimal disturbance, therefore no significant sedimentation or erosion impacts are expected. SW The drilling location is approximately 45m from the nearest water course. The drill pad area will be located outside of waterfront land (i.e. more than 40m away) and will be moved if necessary, to remain outside of waterfront land. Intersection of groundwater may occur during RC drilling at this location. In the event that groundwater is intersected, the following produced water procedure will be implemented as required: *Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner are erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility. The closest groundwater bore to the proposed drill site is approximately 1.6km to the north east. However no water was recorded and the casing was withdrawn (GW001278). The produced water procedure will be implemented if significant groundwater is intersected.		
Proposed management controls	SW Management The RC drilling program will be located outside of waterfront land and will involve minimal disturbance, therefore no significant sedimentation or erosion impacts are expected. Notwithstanding, erosion and sediment control measures will be implemented, as required, in accordance with the series Managing Urban Stormwater: Soils and Construction including Volume 1 (Landcom, 2004). It is expected that minimal water will be required for the RC drilling program. GW The nearest recorded groundwater bore to location Prop_3 is GW001278, approximately 16km to the north east. This bore had a total depth of 25.6m, however no water was recorded, and the casing was withdrawn. Prop_3 is within an area mapped as groundwater vulnerability. Intersection of significant groundwater is not anticipated, however in the event that groundwater is intersected, the following produced water procedure will be implemented as required: *Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner are erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility. If the RC hole intersects groundwater, it will be rehabilitated in accordance with government guidelines.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Soil & Stability Impacts: Degradation of soil quality (including contamination, salinisation or acidification).		

Potential impacts	No impacts to soil quality or land stability are expected as a result of the RC drill hole. SOIL/TOPO The soil type at location Prop_3 is ferrosols, and has a land capability Class 3 et 4. No acid sulphate soil is present. Topography is considered to be gently undulating. Vegetation cover consists of native grasses and sparse mature Eucalypt trees at the drilling location. The drill site will be selected to avoid the need to clear any vegetation. PHOTO Grassy area with trees and bushes in background. Relatively flat.		
Proposed management controls	Maximum surface disturbance from the RC drill pad is estimated at 225 sqm. No clearing of vegetation or grasses will be required. Mitigation measures for soill/stability impacts is therefore not expected to be required.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	High Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Soil & Stability Impacts: Impacts on land with high agricultural capability.		
Potential impacts	No impacts to soil quality or land stability are expected as a result of the RC drill hole. AIS submitted. Originally Level 2 and submitted to DPI. Assessed as Level 1 by RR following advice from DPI. No issues detected.		
Proposed management controls	Maximum surface disturbance from the RC drill pad is estimated at 225 sqm. No clearing of vegetation or grasses will be required. Mitigation measures for soill/stability impacts is therefore not expected to be required.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Soil & Stability Impacts: Loss of soil from wind or water erosion.		
Potential impacts	No impacts to soil quality or land stability are expected as a result of the RC drill hole. SOIL/TOPO The soil type at location Prop_3 is ferrosols, and has a land capability Class 3 et 4. No acid sulphate soil is present. Topography is considered to be gently undulating. Vegetation cover consists of native grasses and sparse mature Eucalypt trees at the drilling location. The drill site will be selected to avoid the need to clear any vegetation. PHOTO Grassy area with trees and bushes in background. Relatively flat.		
Proposed management controls	Maximum surface disturbance from the RC drill pad is estimated at 225 sqm. No clearing of vegetation or grasses will be required. Mitigation measures for soill/stability impacts is therefore not expected to be required.		
Duration	2 days		
Application ranking	Negligible		

What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Soil & Stability Impacts: Loss of structural integrity of the soil.		
Potential impacts	No impacts to soil quality or land stability are expected as a result of the RC drill hole. SOIL/TOPO The soil type at location Prop_3 is ferrosols, and has a land capability Class 3 et 4. No acid sulphate soil is present. Topography is considered to be gently undulating. Vegetation cover consists of native grasses and sparse mature Eucalypt trees at the drilling location. The drill site will be selected to avoid the need to clear any vegetation. PHOTO Grassy area with trees and bushes in background. Relatively flat.		
Proposed management controls	Maximum surface disturbance from the RC drill pad is estimated at 225 sqm. No clearing of vegetation or grasses will be required. Mitigation measures for soill/stability impacts is therefore not expected to be required.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Soil & Stability Impacts: Increased land instability with high risks from land slides or subsidence.		
Potential impacts	No impacts to soil quality or land stability are expected as a result of the RC drill hole. SOIL/TOPO The soil type at location Prop_3 is ferrosols, and has a land capability Class 3 et 4. No acid sulphate soil is present. Topography is considered to be gently undulating. Vegetation cover consists of native grasses and sparse mature Eucalypt trees at the drilling location. The drill site will be selected to avoid the need to clear any vegetation. PHOTO Grassy area with trees and bushes in background. Relatively flat.		
Proposed management controls	Maximum surface disturbance from the RC drill pad is estimated at 225 sqm. No clearing of vegetation or grasses will be required. Mitigation measures for soill/stability impacts is therefore not expected to be required.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	High Resilience	**What is the level of public concern?**	Low

Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Noise & Vibration Impacts: Results in increased noise or vibration.		
Potential impacts	The RC drilling should not generate noise that is likely to affect sensitive receivers. The one drill hole will be completed in half a day. The closest nearby sensitive receiver is located approximately 1.5km to the west, and are unlikely to hear noise from the RC drill. No vibration impacts are expected to occur.		
Proposed management controls	SRL Ops will inform any nearby residents of potential noise emissions from the exploration site during the RC drilling, and will implement the following management measures, as required, to minimise the potential for noise impacts to occur: * modify the hours and/or days of operation.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Noise & Vibration Impacts: Affects sensitive receptors.		
Potential impacts	The RC drilling should not generate noise that is likely to affect sensitive receivers. The one drill hole will be completed in half a day. The closest nearby sensitive receiver is located approximately 1.5km to the west, and are unlikely to hear noise from the RC drill. No vibration impacts are expected to occur.		
Proposed management controls	SRL Ops will inform any nearby residents of potential noise emissions from the exploration site during the RC drilling, and will implement the following management measures, as required, to minimise the potential for noise impacts to occur: * modify the hours and/or days of operation.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Coastal Location & Processes: Affects coastal processes and coastal hazards, including those under projected climate change conditions.		
Potential impacts	The exploration site is not located within a coastal environment. No impacts are therefore expected.		
Proposed management controls	Nil, not required.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A

How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	N/A
Can the impacts be reversed?	N/A	**Ranking of potential significance**	Low
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Hazardous substances or chemicals: Impacts associated with the use, generation, storage or transport of hazardous substances or chemicals.		
Potential impacts	Biodegradable drilling fluids will be used during the RC drilling. Other chemicals used will include diesel fuel, oil and grease. Minimal impacts are expected to occur from the RC drilling, given the small number of drill holes (one).		
Proposed management controls	Chemicals will be stored within a bunded area or on a spill pallet where required and not located within waterfront land. Biodegradable drilling fluids would be used during the RC drilling program. No hazardous drilling chemicals or petroleum-based circulation fluids or additives would be used, however some petroleum based lubricants may be used. Other chemicals used will include diesel fuel, oil and grease. These chemicals will be stored within a bunded area or on a spill pallet where required.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts to the environment resulting from the generation or disposal of wastes.		
Potential impacts	All waste products generated by site personnel, including packaging materials, would be appropriately stored and/or removed from site at the end of each shift. In accordance with the Mandatory Requirement 5.1 of the Exploration Code of Practice: Environmental Management, drilling waste generated from the drilling would be managed in a manner that does not, as far as practicable, cause harm to the environment. Cuttings from the RC hole will be used to backfill the drill hole once results from the laboratory are received.		
Proposed management controls	Wastes generated from the drilling program will be removed daily, with drill cuttings used to rehabilitate the drill hole. Excess drill cuttings will be disposed of at an appropriately licenced facility.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	High Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts on drinking water catchments, wetlands, natural water bodies, riparian zones or flood prone areas.		

Potential impacts	The drill site will be located outside of waterfront land. The area is gently undulating, however minimal erosion is expected. Drilling will take place during the warmer months where rainfall is typically low.		
Proposed management controls	Wastes generated from the drilling program will be removed daily, with drill cuttings used to rehabilitate the drill hole. Excess drill cuttings will be disposed of at an appropriately licenced facility. SW Management The RC drilling program will be located outside of waterfront land and will involve minimal disturbance, therefore no significant sedimentation or erosion impacts are expected. Notwithstanding, erosion and sediment control measures will be implemented, as required, in accordance with the series Managing Urban Stormwater: Soils and Construction including Volume 1 (Landcom, 2004). It is expected that minimal water will be required for the RC drilling program.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts on groundwater recharge areas or areas with high water table.		
Potential impacts	The drill site will be located outside of waterfront land. The area is gently undulating, however minimal erosion is expected. Drilling will take place during the warmer months where rainfall is typically low. GW The nearest recorded groundwater bore to location Prop_3 is GW001278, approximately 16km to the north east. This bore had a total depth of 25.6m, however no water was recorded, and the casing was withdrawn. Prop_3 is within an area mapped as groundwater vulnerability.		
Proposed management controls	Wastes generated from the drilling program will be removed daily, with drill cuttings used to rehabilitate the drill hole. Excess drill cuttings will be disposed of at an appropriately licenced facility. GW management Groundwater may be intersected during the RC drilling program, and if intersected the below produced water procedure will be implemented as required: * Drilling operations will cease until temporary, above ground sumps, constructed from hay bales or transportable panels and a plastic liner, will be erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility. During RC drilling, the samples are expected to be wet if a zone of groundwater is intersected. Once this has been drilled, the samples are expected to be dry again. If any RC holes intersect groundwater, they will be rehabilitated in accordance with government guidelines.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes and Emissions: Impacts on coastlines or dunes, alpine areas, karst features or other unique landforms.		

Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	N/A
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Wastes & Emissions: Impacts on erosion prone areas, areas with slopes of greater than 18 degrees.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	N/A
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Wastes & Emissions: Impacts on subsidence or slip areas.		
Potential impacts	The drill site will be located outside of waterfront land. The area is gently undulating, however minimal erosion is expected. Drilling will take place during the warmer months where rainfall is typically low. Topography is considered to be gently undulating. Vegetation cover consists of native grasses and sparse mature Eucalypt trees at the drilling location. The drill site will be selected to avoid the need to clear any vegetation. PHOTO Grassy area with trees and bushes in background. Relatively flat.		
Proposed management controls	Wastes generated from the drilling program will be removed daily, with drill cuttings used to rehabilitate the drill hole. Excess drill cuttings will be disposed of at an appropriately licenced facility.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts on areas with acid sulphate, sodic or highly permeable soils.		

Potential impacts	SOIL/TOPO The soil type at location Prop_3 is ferrosols, and has a land capability Class 3 et 4. No acid sulphate soil is present. Topography is considered to be gently undulating. Vegetation cover consists of native grasses and sparse mature Eucalypt trees at the drilling location. The drill site will be selected to avoid the need to clear any vegetation.		
Proposed management controls	1 x 5.5" RC drill holes - depth of approximately 100m. (e.g. up to 120m depth if required). Each hole will require a 15m x 15m disturbance area (225 square metres). No vegetation clearing will be required.		
Duration	2 days		
Application ranking			
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts on areas with salinity or potential salinity problems.		
Potential impacts	The drill site will be located outside of waterfront land. The area is gently undulating, however minimal erosion is expected. Drilling will take place during the warmer months where rainfall is typically low. The soil type at location Prop_3 is ferrosols, and has a land capability Class 3 et 4. No acid sulphate soil is present. GW The nearest recorded groundwater bore to location Prop_3 is GW001278, approximately 16km to the north east. This bore had a total depth of 25.6m, however no water was recorded, and the casing was withdrawn. Prop_3 is within an area mapped as groundwater vulnerability.		
Proposed management controls	Wastes generated from the drilling program will be removed daily, with drill cuttings used to rehabilitate the drill hole. Excess drill cuttings will be disposed of at an appropriately licenced facility.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts on areas with degraded or contaminated land.		
Potential impacts	The drill site will be located outside of waterfront land. The area is gently undulating, however minimal erosion is expected. Drilling will take place during the warmer months where rainfall is typically low. SOIL/TOPO The soil type at location Prop_3 is ferrosols, and has a land capability Class 3 et 4. No acid sulphate soil is present.		
Proposed management controls	Wastes generated from the drilling program will be removed daily, with drill cuttings used to rehabilitate the drill hole. Excess drill cuttings will be disposed of at an appropriately licenced facility.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No

How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Wastes & Emissions: Impacts on areas with degraded or contaminated water (ground or surface).		
Potential impacts	The drill site will be located outside of waterfront land. The area is gently undulating, however minimal erosion is expected. Drilling will take place during the warmer months where rainfall is typically low. SW The drilling location is approximately 45m from the nearest water course. The drill pad area will be located outside of waterfront land (i.e. more than 40m away) and will be moved if necessary, to remain outside of waterfront land. GW The nearest recorded groundwater bore to location Prop_3 is GW001278, approximately 16km to the north east. This bore had a total depth of 25.6m, however no water was recorded, and the casing was withdrawn. Prop_3 is within an area mapped as groundwater vulnerability.		
Proposed management controls	Wastes generated from the drilling program will be removed daily, with drill cuttings used to rehabilitate the drill hole. Excess drill cuttings will be disposed of at an appropriately licenced facility. SW Management The RC drilling program will be located outside of waterfront land and will involve minimal disturbance, therefore no significant sedimentation or erosion impacts are expected. Notwithstanding, erosion and sediment control measures will be implemented, as required, in accordance with the series Managing Urban Stormwater: Soils and Construction including Volume 1 (Landcom, 2004). It is expected that minimal water will be required for the RC drilling program. GW management Groundwater may be intersected during the RC drilling program, and if intersected the below produced water procedure will be implemented as required: * Drilling operations will cease until temporary, above ground sumps, constructed from hay bales or transportable panels and a plastic liner, will be erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility. During RC drilling, the samples are expected to be wet if a zone of groundwater is intersected. Once this has been drilled, the samples are expected to be dry again. If any RC holes intersect groundwater, they will be rehabilitaed in accordance with government guidelines.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Vegetation: Any clearing or modification of vegetation (including impacts on wildlife corridors, remnant vegetation & habitat for species of conservation significance).		

Potential impacts	The drill site is located within an area of sparse native vegetation - eucalyptus trees and native grasses used for grazing. The drill site will be sited in an area where no vegetation clearing will be required. 1 x 5.5" RC drill holes - depth of approximately 100m. (e.g. up to 120m depth if required). Each hole will require a 15m x 15m disturbance area (225 square metres). No vegetation clearing will be required. The landuse is mapped as grazing, modified pasture (mainly grasslands) used for stock grazing.		
Proposed management controls	If required, the proposed RC drill hole will be moved slightly to avoid the need to clear native vegetation.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Threatened Fauna Species: Any adverse effect on the life cycle of any threatened species such that a viable local population of the species is likely to be placed at risk of extinction.		
Potential impacts	The drill site is within an area with sparse eucalyptus trees adjacent to a cleared paddock. No vegetation clearing will be undertaken. Negligible impacts to threated fauna or flora is expected due to the short term nature of the drilling (drill hole will be completed within one day). TEC Drilling activities close to- checked on SEED 19/3/2024, however should not interfere with TEC. - TEC- White Box - White Cypress Pine - Western Grey Box shrub/grass/forb woodland in the NSW South Western Slopes Bioregion- MNES report- Critically endangered and may occur in the area. - TEC: White Cypress Pine woodland on sandy loams in central NSW wheatbelt - TEC: Dwyer's Red Gum - Black Cypress Pine - Currawang shrubby low woodland on rocky hills mainly in the NSW South Western Slopes Bioregion		
Proposed management controls	In the unlikely event that threatened species are encountered and suspected to be impacted during the drilling activity, an ecologist will be engaged to assess impacts and identify management and mitigation measures.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	Uncertain
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Threatened Flora Species: Any adverse effect on the life cycle of any threatened species such that a viable local population of the species is likely to be placed at risk of extinction.		
Potential impacts	The drill site is within an area with sparse eucalyptus trees adjacent to a cleared paddock. No vegetation clearing will be undertaken. Negligible impacts to threated fauna or flora is expected due to the short term nature of the drilling (drill hole will be completed within one day). TEC Drilling activities close to- checked on SEED 19/3/2024, however should not interfere with TEC. - TEC- White Box - White Cypress Pine - Western Grey Box shrub/grass/forb woodland in the NSW South Western Slopes Bioregion- MNES report- Critically endangered and may occur in the area. - TEC: White Cypress Pine woodland on sandy loams in central NSW wheatbelt - TEC: Dwyer's Red Gum - Black Cypress Pine - Currawang shrubby low woodland on rocky hills mainly in the NSW South Western Slopes Bioregion		

Proposed management controls	In the unlikely event that threatened species are encountered and suspected to be impacted during the drilling activity, an ecologist will be engaged to assess impacts and identify management and mitigation measures.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	Uncertain
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Areas of outstanding biodiversity value/Critical habitat: This includes: a. declared areas of outstanding biodiversity value under the Biodiversity Conservation Act 2016 b. areas declared critical habitat under the Fisheries Management Act 1994.		
Potential impacts	No areas of AOBV or critical habitat were identified during undertaking the required searches.		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	N/A
Can the impacts be reversed?	N/A	**Ranking of potential significance**	Low
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Endangered ecological community or critically endangered ecological community: Whether the activity: is likely to have an adverse effect on the extent of the ecological community such that its local occurrence is likely to be placed at risk of extinction, or is likely to substantially and adversely modify the composition of the ecological community such that its local occurrence is likely to be placed at risk of extinction.		
Potential impacts	No endangered ecological community or critically endangered ecological community was identified in proximity to the proposed drilling area. TEC Drilling activities close to- checked on SEED 19/3/2024, however should not interfere with TEC. - TEC- White Box - White Cypress Pine - Western Grey Box shrub/grass/forb woodland in the NSW South Western Slopes Bioregion- MNES report- Critically endangered and may occur in the area. - TEC: White Cypress Pine woodland on sandy loams in central NSW wheatbelt - TEC: Dwyer's Red Gum - Black Cypress Pine - Currawang shrubby low woodland on rocky hills mainly in the NSW South Western Slopes Bioregion		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	Uncertain
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low

Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Uncertain		
Criteria	Habitat of a threatened species or ecological community		
Potential impacts	The drill site is near a cleared paddock with no vegetation clearing proposed. Therefore, the habitat of a threatened species or ecological community is not expected to be impacted by the proposed drilling. The drilling would be completed within a day. TEC Drilling activities close to- checked on SEED 19/3/2024, however should not interfere with TEC. - TEC- White Box - White Cypress Pine - Western Grey Box shrub/grass/forb woodland in the NSW South Western Slopes Bioregion- MNES report- Critically endangered and may occur in the area. - TEC: White Cypress Pine woodland on sandy loams in central NSW wheatbelt - TEC: Dwyer's Red Gum - Black Cypress Pine - Currawang shrubby low woodland on rocky hills mainly in the NSW South Western Slopes Bioregion		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	Uncertain
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Habitat of protected aquatic species or those with conservation status.		
Potential impacts	The drill site is near a cleared paddock with no vegetation clearing proposed. Therefore, the habitat of a threatened species or ecological community is not expected to be impacted by the proposed drilling. The drilling would be completed within a day. SW The drilling location is approximately 45m from the nearest water course. The drill pad area will be located outside of waterfront land (i.e. more than 40m away) and will be moved if necessary, to remain outside of waterfront land.		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	Uncertain
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Key Threatening Processes: As outlined in Schedule 4 of Biodiversity Conservation Act 2016. Includes: a. alteration, removal, clearly or degradation of habitat and native vegetation b. loss of hollow bearing trees c. removal of dead wood and dead trees d. invasion and establishment of exotic species.		

Potential impacts	No vegetaion clearing is proposed as a part of the drilling activity. The drilling will be completed within one day, therefore it is unlikely to endanger, displace or disturb fauna or create a barrier to their movement. MNES No matters of national environmental significance are likely to be affected by the drilling activity due to its location and the short term nature of the activity. TEC Drilling activities close to- checked on SEED 19/3/2024, however should not interfere with TEC. - TEC- White Box - White Cypress Pine - Western Grey Box shrub/grass/forb woodland in the NSW South Western Slopes Bioregion- MNES report- Critically endangered and may occur in the area. - TEC: White Cypress Pine woodland on sandy loams in central NSW wheatbelt - TEC: Dwyer's Red Gum - Black Cypress Pine - Currawang shrubby low woodland on rocky hills mainly in the NSW South Western Slopes Bioregion		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Barriers to movement of fauna: Any potential to endanger, displace or disturb fauna (including fauna of conservation significance) or create a barrier to their movement.		
Potential impacts	No vegetaion clearing is proposed as a part of the drilling activity. The drilling will be completed within one day, therefore it is unlikely to endanger, displace or disturb fauna or create a barrier to their movement. 1 x 5.5" RC drill holes - depth of approximately 100m. (e.g. up to 120m depth if required). Each hole will require a 15m x 15m disturbance area (225 square metres). No vegetation clearing will be required.		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Ecological & Biosecurity Impacts: Any threat to the biological diversity or ecological integrity of an ecological community.		
Potential impacts	The drilling activity is not likely to have any adverse ecological or biosecurity impacts. GW The nearest recorded groundwater bore to location Prop_3 is GW001278, approximately 16km to the north east. This bore had a total depth of 25.6m, however no water was recorded, and the casing was withdrawn. Prop_3 is within an area mapped as groundwater vulnerability.		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		

What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	No	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Ecological & Biosecurity Impacts: Creates a biosecurity risk or introduces genetically modified organisms into an area. Includes impacts from the introduction of: a. mobilisation of pollutants b. animal pests, c. plant pests and diseases, d. animal diseases, e. noxious weeds, or f. genetically modified organisms.		
Potential impacts	The drilling activity is not likely to have any adverse ecological or biosecurity impacts.		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Ecological & Biosecurity Impacts: Likely to cause a significant bushfire risk.		
Potential impacts	The drilling activity is not likely to have any adverse ecological or biosecurity impacts.		
Proposed management controls			
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	No	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Community Resources: Any degradation of infrastructure or significant increase in the demand for services and infrastructure resources.		
Potential impacts	The drilling activity is not likely to degrade or significantly increase the demand for services and infrastructure. This drilling activity is expected to be completed within one day, but will be drilled in conjunction with APO0001618 and APO0001620. The entire drilling program is expected to be completed within 2-3 weeks of commencment with seven contractors/staff involved, many of which already reside in the local community.		
Proposed management controls	ACCESS No vegetation clearing will be required undertaken during the drilling program (temporary tracks may be created by driving across grasslands).		
Duration	2 days		
Application ranking	Positive		

What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	High Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Community Resources: Any diversion of resources to the detriment of other communities or natural systems.		
Potential impacts	No diversion of resources is expected for this short duration drilling program. 1 x 5.5" RC drill holes - depth of approximately 100m. (e.g. up to 120m depth if required). Each hole will require a 15m x 15m disturbance area (225 square metres). No vegetation clearing will be required. The landuse is mapped as grazing, modified pasture (mainly grasslands) used for stock grazing.		
Proposed management controls	REHABILITATION Any spoil will be deposited back down the drill hole upon completion. RC hole will be plugged 1m below ground level, backfilled and the area returned to its original condition post drilling. RC hole will be plugged following drilling and backfilled once results are received from the laboratory. Follow up inspections after the drilling program will identify any issues or weed control required. GROUNDWATER Groundwater may be intersected during the RC drilling activity and if intersected the below produced water procedure will be implemented as required: * Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner is erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility.		
Duration	2 days		
Application ranking			
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	High Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Natural Resources: Any disruption, depletion or destruction of natural resources.		
Potential impacts	The drilling activity may intersect groundwater. This drill location is located within an area mapped as groundwater vulnerability. The RC drilling is unlikely to deplete the groundwater table given the single drill hole, short term nature and small volume of groundwater possible to be intersected. 1 x 5.5" RC drill holes - depth of approximately 100m. (e.g. up to 120m depth if required). Each hole will require a 15m x 15m disturbance area (225 square metres). No vegetation clearing will be required. The landuse is mapped as grazing, modified pasture (mainly grasslands) used for stock grazing.		

Proposed management controls	REHABILITATION Any spoil will be deposited back down the drill hole upon completion. RC hole will be plugged 1m below ground level, backfilled and the area returned to its original condition post drilling. RC hole will be plugged following drilling and backfilled once results are received from the laboratory. Follow up inspections after the drilling program will identify any issues or weed control required. Groundwater may be intersected during the RC drilling activity and if intersected the below produced water procedure will be implemented as required: * Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner is erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Natural Resources: Any disruption of existing activities which rely on natural resources, including forestry, farming or extractive industries (or reduction of options for future activities).		
Potential impacts	The RC drilling activity is unlikely to disrupt existing activities that rely on groundwater in the area, given the short term nature and small volume of groundwater possible to be intersected. 1 x 5.5" RC drill holes - depth of approximately 100m. (e.g. up to 120m depth if required). Each hole will require a 15m x 15m disturbance area (225 square metres). No vegetation clearing will be required. The landuse is mapped as grazing, modified pasture (mainly grasslands) used for stock grazing.		
Proposed management controls	REHABILITATION Any spoil will be deposited back down the drill hole upon completion. RC hole will be plugged 1m below ground level, backfilled and the area returned to its original condition post drilling. RC hole will be plugged following drilling and backfilled once results are received from the laboratory. Follow up inspections after the drilling program will identify any issues or weed control required. Groundwater may be intersected during the RC drilling activity and if intersected the below produced water procedure will be implemented as required: * Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner is erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	

Do the operations comply with standards, plans, policies?	N/A		
Criteria	Natural Resources: Any use which results in the degradation of any area reserved for conservation purposes.		
Potential impacts	The RC drilling activity is not likely to result in the degradation of any area reserved for conservation purposes. GW The nearest recorded groundwater bore to location Prop_3 is GW001278, approximately 16km to the north east. This bore had a total depth of 25.6m, however no water was recorded, and the casing was withdrawn. Prop_3 is within an area mapped as groundwater vulnerability.		
Proposed management controls	Groundwater may be intersected during the RC drilling activity and if intersected the below produced water procedure will be implemented as required: * Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner is erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	Uncertain
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Sensitive Land Impacts: Impacts on National parks and other areas reserved or dedicated or acquired under the National Parks and Wildlife Act 1974.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	N/A
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Land subject to a 'conservation agreement' under the National Parks and Wildlife Act 1974 and/or the Biodiversity Conservation Act 2016. This includes: a. Biobanking agreement (established under the now repealed Threatened Species Conservation Act 1995) or a Biodiversity Stewardship agreement established under the Biodiversity Conservation Act 2016. b. Wildlife Refuge agreement established under the Biodiversity Conservation Act 2016. c. Existing conservation agreements that continue to have effect even where legislation has been repealed: Trust agreements under the now repealed Nature Conservation Trust Act 2001 Property vegetation plans made under the now-repealed Native Vegetation Act 2003 Registered property agreements under the repealed Native Vegetation Conservation Act 1997		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		

What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	N/A
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Impacts on aquatic reserves or marine parks declared under the Marine Estate Management Act 2014. Impacts on Coastal Zone as defined in the Coastal Management Act 2016.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	N/A
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Fishing grounds and commercial fish breeding or nursery areas.		
Potential impacts	The RC drilling activity is not likely to result in the degradation of any area reserved for conservation purposes. SW The drilling location is approximately 45m from the nearest water course. The drill pad area will be located outside of waterfront land (i.e. more than 40m away) and will be moved if necessary, to remain outside of waterfront land. GW The nearest recorded groundwater bore to location Prop_3 is GW001278, approximately 16km to the north east. This bore had a total depth of 25.6m, however no water was recorded, and the casing was withdrawn. Prop_3 is within an area mapped as groundwater vulnerability.		
Proposed management controls	SW Management The RC drilling program will be located outside of waterfront land and will involve minimal disturbance, therefore no significant sedimentation or erosion impacts are expected. Notwithstanding, erosion and sediment control measures will be implemented, as required, in accordance with the series Managing Urban Stormwater: Soils and Construction including Volume 1 (Landcom, 2004). It is expected that minimal water will be required for the RC drilling program. Groundwater may be intersected during the RC drilling activity and if intersected the below produced water procedure will be implemented as required: * Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner is erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility.		
Duration	2 days		
Application ranking	Negligible		

What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?			
Criteria	Sensitive Land Impacts: Impacts on other sensitive lands including: a. Land within a state forest set aside under the Forestry Act 2012 for conservation values. This includes flora reserves and special management (and other) zones. b. Drinking water catchment protection areas - land declared to be a 'controlled area' or a 'special area' under the Water NSW Act 2014, or a 'special area' under the Water Management Act 2000 or Hunter Water Act 1991. c. Waterfront land as defined under the Water Management Act 2000.		
Potential impacts	The RC drilling activity is not likely to result in the degradation of any area reserved for conservation purposes. SW The drilling location is approximately 45m from the nearest water course. The drill pad area will be located outside of waterfront land (i.e. more than 40m away) and will be moved if necessary, to remain outside of waterfront land. GW The nearest recorded groundwater bore to location Prop_3 is GW001278, approximately 16km to the north east. This bore had a total depth of 25.6m, however no water was recorded, and the casing was withdrawn. Prop_3 is within an area mapped as groundwater vulnerability.		
Proposed management controls	SW Management The RC drilling program will be located outside of waterfront land and will involve minimal disturbance, therefore no significant sedimentation or erosion impacts are expected. Notwithstanding, erosion and sediment control measures will be implemented, as required, in accordance with the series Managing Urban Stormwater: Soils and Construction including Volume 1 (Landcom, 2004). It is expected that minimal water will be required for the RC drilling program. Groundwater may be intersected during the RC drilling activity and if intersected the below produced water procedure will be implemented as required: * Drilling operations will cease until temporary, above ground sumps, constructed from hay bales and a plastic liner is erected. * Produced water will be collected and suspended sediment allowed to settle. * The water will be tested, and if of suitable quality, discharged to land adjacent to the drill site. No produced water will be permitted to flow to surface water drainage lines. * If the produced water is not of a suitable quality to be discharged, it will be collected by a suitably licensed waste water contractor and transported to a disposal facility.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Sensitive Land Impacts: Impacts on land reserved or dedicated within the meaning of the Crown Lands Act 1989/Crown Lands Management Act 2016 for preservation of the environment or other environmental protection purposes.		

Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	N/A
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Impacts on land identified as wilderness or declared a wilderness area under the Wilderness Act 1987.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	N/A
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Lands: Impacts on wetlands of international significance designated under the Ramsar Convention on Wetlands and those designated as a nationally important wetland in the Directory of Important Wetlands of Australia.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	N/A
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Impacts on land identified in an environmental planning instrument as being of biodiversity / conservation significance or zoned for environmental conservation, protection and/or management. Includes Coastal Wetlands and Littoral rainforests under State Environmental Planning Policy (Resilience and Hazards) 2021.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		

What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	N/A
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Impacts on Aboriginal heritage protection areas: a. Aboriginal places and objects under the National Parks and Wildlife Act 1974 b. Areas of Aboriginal cultural significance identified in an environmental planning instrument.		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	N/A
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Impacts on heritage protection areas (historic or natural): a. Nationally and internationally recognised heritage sites or areas (World Heritage List, National Heritage List of Commonwealth Heritage List) b. Items listed on State Heritage c. Heritage items and conservation areas identified in an environmental planning instrument		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	N/A
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Impacts on community land classified under the Local Government Act 1993 (for which a plan of management has been prepared).		
Potential impacts	N/A		
Proposed management controls	N/A		
Duration	N/A		
Application ranking	N/A		
What is the confidence in predicting impacts?	N/A	**Are further studies required on impacts or mitigation?**	N/A

How resilient is the environment to cope with impacts?	N/A	**What is the level of public concern?**	N/A
Can the impacts be reversed?	N/A	**Ranking of potential significance**	N/A
Can the impacts be mitigated?	N/A	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Sensitive Land Impacts: Impacts on bushfire prone areas.		
Potential impacts	The RC drilling activity is not likely to result in the degradation of any area reserved for conservation purposes. Grass bushfire travelling.		
Proposed management controls	Refer to Sunrise Energy Exploration Pty Ltd procedures in case of bushfire.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	No	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Social Impacts: Any impacts which result in a change in the demographic structure of the community, including changes to workforce or industry structure of the area/region. Including change in demand for community resources (eg community facilities, community services and labour force).		
Potential impacts	No social impacts are expected from the drilling activity. A total of seven staff/contractors are proposed to be involved in the drilling activity. The drilling activity will be completed within one day.		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	High Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Fully	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Social Impacts: Any environmental impact that may cause substantial change or disruption to the community (including loss of facilities or loss of community identity).		
Potential impacts	The drilling activity will not cause an environmental impact resulting in a substantial change to the community.		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	High Resilience	**What is the level of public concern?**	Low

Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Fully	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Social Impacts: Any impacts which result in some individuals or communities being significantly disadvantaged (e.g. change to community facilities, services or labour force).		
Potential impacts	No change to demand for community resources will result from the drilling activity.		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	High Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Fully	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Social Impacts: Any impacts on the health, safety, privacy or welfare of individuals or communities caused by factors such as pollution, odour, noise, vibration, lighting, visual impacts, etc).		
Potential impacts	The drilling activity will not result in impacts to the health, safety privacy or welfare of individuals or communities.		
Proposed management controls	AIR SRL Ops will inform nearby residents of the potential dust emissions from the RC drilling program. The nearest sensitive receiver (residence) is approximately 1.5km from the proposed drilling location. SRL Ops will limit vehicle speeds to 40km/h on formed tracks and 20km/h on unformed tracks to reduce dust emissions, and monitor dust from the drilling program. Minimal dust is expected from the RC drill holes. No significant air quality impacts are expected to occur. No venting, flaring or re-use of gases will occur as part of the drilling program. TIMING/NOISE March to June 2024. Monday to Sunday in daylight hours 6am-7pm. The nearest sensitive receiver to the proposed RC drilling location is approximately 1.5km to the west. This sensitive receiver is a residence. Drilling will only be undertaken during daylight hours. SRL Ops will be in contact with all nearby residents during the drilling program to ensure noise is not a concern.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Social Impacts: Effect on a locality, place or building having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific or social significance or other special value for present or future generations?		
Potential impacts	The drilling activity will not have an effect on any item of social significance or other special value.		

Proposed management controls	AHIMS An AHIMS search identified no registered sites within lot 134 DP 753257. The proposed drill site is located more than approximately 45m from a mapped watercourse (minor stream). The proposed drill site is not located within a sand dune system; on a ridge top, ridge line or headland; within 200m below or above a cliff face; or within 20m of a cave, rock shelter or cave mouth. HERITAGE No heritage items (listed on the world heritage list, commonwealth heritage list, national heritage register, state heritage register or within the Dubbo LEP) are located near the proposed drilling areas.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Social Impacts: Impacts on communities with strong sense of identity.		
Potential impacts	The drilling activity will not cause an environmental impact resulting in a substantial change to the community.		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Social Impacts: Impacts on disadvantaged communities.		
Potential impacts	The drilling activity will not cause an environmental impact resulting in a substantial change to the community.		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	No	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Economic Impacts: Any impacts which may affect economic activity (positive or negative), including a decrease to net economic welfare.		
Potential impacts	Economic impacts are not expected from the drilling activity given the short term nature (one day) and minimal staff involved.		

Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking			
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Economic Impacts: Any impacts that result in a decrease in the economic stability of the community.		
Potential impacts	Economic impacts are not expected from the drilling activity given the short term nature (one day) and minimal staff involved.		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking			
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	High Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Economic Impacts: Any impacts which result in a change to the public sector revenue or expenditure base.		
Potential impacts	Economic impacts are not expected from the drilling activity given the short term nature (one day) and minimal staff involved.		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking			
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	High Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	No	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Heritage Impacts: Any impacts on a locality, place, landscape, building or archaeological relic of heritage significance.		
Potential impacts	No items of historic cultural or natural heritage were identified within the proposed drilling activity area. Please refer to attached searches.		

Proposed management controls	AHIMS An AHIMS search identified no registered sites within lot 134 DP 753257. The proposed drill site is located more than approximately 45m from a mapped watercourse (minor stream). The proposed drill site is not located within a sand dune system; on a ridge top, ridge line or headland; within 200m below or above a cliff face; or within 20m of a cave, rock shelter or cave mouth. HERITAGE No heritage items (listed on the world heritage list, commonwealth heritage list, national heritage register, state heritage register or within the Dubbo LEP) are located near the proposed drilling areas.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	No	**Ranking of potential significance**	Medium
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A	Destruction or displacement of objects or places.	
Criteria	Aesthetic Impacts: Any impacts on the visual or scenic landscape, including lighting, venting or flaring of gas.		
Potential impacts	No visual or aesthetic impacts are likely as a result of the drilling activity, given the short term nature of the activity (one day). The drilling will be undertaken during the daytime only and there will be no venting or flaring of gas.		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	High Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Aesthetic Impacts: Areas or items of high aesthetic or scenic value.		
Potential impacts	No visual or aesthetic impacts are likely as a result of the drilling activity, given the short term nature of the activity (one day). The drilling will be undertaken during the daytime only and there will be no venting or flaring of gas. PROPOSED PROJECT 1 x 5.5" RC drill holes - depth of approximately 100m. (e.g. up to 120m depth if required). Each hole will require a 15m x 15m disturbance area (225 square metres). No vegetation clearing will be required. The landuse is mapped as grazing, modified pasture (mainly grasslands) used for stock grazing.		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	High Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low

Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Cultural Impacts: Any disturbance of the ground surface or any culturally modified trees (e.g. a scar tree).		
Potential impacts	No trees are located within the proposed drill pad area, and disturbance of the ground will be limited to the pad area (225 sqm) of the RC hole. No cultural impacts are expected as a result of the drilling activity.		
Proposed management controls	If a suspected object of cultural significance is encountered, work would cease and an archaeologist contracted to follow the Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	No	**Ranking of potential significance**	Medium
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes	Destruction or displacement.	
Criteria	Cultural Impacts: Any impacts on known Aboriginal objects or Aboriginal places.		
Potential impacts	AHIMS search indicates no objects or places of Aboriginal cultural heritage are located within this lot/DP (134/753257).		
Proposed management controls	If a suspected object of cultural significance is encountered, work would cease and an archaeologist contracted to follow the Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	No	**Ranking of potential significance**	Medium
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes	Destruction or displacement.	
Criteria	Cultural Impacts: Affects areas where the landscape features indicate the likely presence of Aboriginal objects.		
Potential impacts	The proposed activity is not: * located within a sand dune system * located on a ridge top, ridge line or headland * located within 200m below or above a cliff face * within 20m of a cave, rock shelter, or a cave mouth. The proposed drilling activity is within 200m of a surface water line, however the creekline is ephemeral and currently dry. The drill hole will be located outside of waterfront land (i.e. more than 40m from the dry creekline).		
Proposed management controls	If a suspected object of cultural significance is encountered, work would cease and an archaeologist contracted to follow the Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales.		
Duration	2 days		
Application ranking	Negligible		

What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	LowResilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	No	**Ranking of potential significance**	Medium
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes	Destruction or displacement.	
Criteria	Cultural Impacts: Affects areas subject to native title claims, indigenous land use agreements or joint management arrangements.		
Potential impacts	The drilling area is on freehold land, and therefore Native Title is extinguished.		
Proposed management controls	If a suspected object of cultural significance is encountered, work would cease and an archaeologist contracted to follow the Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Cultural Impacts: Impacts on Aboriginal communities or areas subject to land rights claims.		
Potential impacts	AHIMS search indicates no objects or places of Aboriginal cultural heritage are located within this lot/DP (134/753257).		
Proposed management controls	If a suspected object of cultural significance is encountered, work would cease and an archaeologist contracted to follow the Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Cultural Impacts: Impacts on areas or items of high anthropological, archaeological, architectural, cultural, heritage, historical, recreational or scientific value.		
Potential impacts	No trees are located within the proposed drill pad area, and disturbance of the ground will be limited to the pad area (225 sqm) of the RC hole. No cultural impacts are expected as a result of the drilling activity.		
Proposed management controls	If a suspected object of cultural significance is encountered, work would cease and an archaeologist contracted to follow the Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales.		
Duration	2 days		
Application ranking	Negligible		

What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Medium
Can the impacts be reversed?	No	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Land Use Impacts: Any major changes in land use, including curtailment of other beneficial land uses.		
Potential impacts	The drilling activity will be undertaken in a clear area next to a cleared paddock. No change of land use will occur as a result of the drilling activity. PROPOSED PROJECT 1 x 5.5" RC drill holes - depth of approximately 100m. (e.g. up to 120m depth if required). Each hole will require a 15m x 15m disturbance area (225 square metres). No vegetation clearing will be required. The landuse is mapped as grazing, modified pasture (mainly grasslands) used for stock grazing.		
Proposed management controls	REHABILITATION Any spoil will be deposited back down the drill hole upon completion. RC hole will be plugged 1m below ground level, backfilled and the area returned to its original condition post drilling. RC hole will be plugged following drilling and backfilled once results are received from the laboratory. Follow up inspections after the drilling program will identify any issues or weed control required.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Transportation Impacts: Substantial impacts on existing transportation systems (road, rail, pedestrian) which alter present patterns of circulation or movement.		
Potential impacts	No significant impacts on transportation are expected as a result of the drilling activity. ACCESS No vegetation clearing will be required undertaken during the drilling program (temporary tracks may be created by driving across grasslands).		
Proposed management controls	ACCESS No vegetation clearing will be required undertaken during the drilling program (temporary tracks may be created by driving across grasslands).		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	High Resilience	**What is the level of public concern?**	Low

Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Transportation Impacts: Impacts associated with direct or indirect additional traffic.		
Potential impacts	No significant impacts on transportation are expected as a result of the drilling activity.		
Proposed management controls	ACCESS No vegetation clearing will be required undertaken during the drilling program (temporary tracks may be created by driving across grasslands).		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	N/A
How resilient is the environment to cope with impacts?	High Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		
Criteria	Consistency with applicable local strategic planning statements, regional strategic plans or district strategic plans.		
Potential impacts	The land where the drilling activity is proposed is subject to the Dubbo Local Strategic Planning Statement and the Central West and Orana Regional Plan. The drilling activity is consistent with these planning documents.		
Proposed management controls	Not applicable.		
Duration	2 days		
Application ranking	Positive		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	High Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Yes	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Matters of National Environmental Significance: Impacts on MNES under the Commonwealth Environmental Protection and Biodiversity Conservation Act 1999:		
Potential impacts	MNES No matters of national environmental significance are likely to be affected by the drilling activity due to its location and the short term nature of the activity. TEC Drilling activities close to- checked on SEED 19/3/2024, however should not interfere with TEC. - TEC- White Box - White Cypress Pine - Western Grey Box shrub/grass/forb woodland in the NSW South Western Slopes Bioregion- MNES report- Critically endangered and may occur in the area. - TEC: White Cypress Pine woodland on sandy loams in central NSW wheatbelt - TEC: Dwyer's Red Gum - Black Cypress Pine - Currawang shrubby low woodland on rocky hills mainly in the NSW South Western Slopes Bioregion		
Proposed management controls	Drilling activities close to- checked on SEED 19/3/2024, however should not interfere with TEC.		
Duration	2 days		
Application ranking	Positive		

What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	Yes		
Criteria	Cumulative Impacts: Cumulative environmental effects with other existing or likely future activities.		
Potential impacts	The environmental impacts of the proposed drilling activity (one drill hole) are considered to be negligible given the short term nature of the activity. It is unlikely to result in cumulative environmental effects with other existing or future activities. Sixteen RC drill holes are proposed within APO0001618, located approximately 4.5km to the SW but is unlikely to result in cumulative impacts.		
Proposed management controls	REHABILITATION Any spoil will be deposited back down the drill hole upon completion. RC hole will be plugged 1m below ground level, backfilled and the area returned to its original condition post drilling. RC hole will be plugged following drilling and backfilled once results are received from the laboratory. Follow up inspections after the drilling program will identify any issues or weed control required.		
Duration	2 days		
Application ranking	Negligible		
What is the confidence in predicting impacts?	High	**Are further studies required on impacts or mitigation?**	No
How resilient is the environment to cope with impacts?	Medium Resilience	**What is the level of public concern?**	Low
Can the impacts be reversed?	Uncertain	**Ranking of potential significance**	Low
Can the impacts be mitigated?	Partly	**Justification for ranking**	
Do the operations comply with standards, plans, policies?	N/A		