**Section** **124ZE(3)(d) of the Environment Protection Act 2019**

This form must be completed for each exploration, extraction or mining activity that cannot meet the standard conditions. The form can only include **one activity** (e.g. clearing, excavation, stockpiling, etc.)**.** All modified or tailored condition licence forms must be accompanied by at least one completed risk assessment form.

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| **STANDARD CONDITION(S) TO MODIFY** |
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| Describe the activity, listed in section B of the licence application form, that cannot meet the standard conditions |
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|  |
| Requested modification(s) |

|  | **Standard condition** | **Proposed modification** | | | **Justification** |
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| Comments | | | | | |
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| **IMPACT OF PROPOSED MODIFICATION(S)** | | |
| **Potential impacts caused by the proposed modification(s) to the standard condition(s)**  e.g. reduction in groundwater quality, change to surface water flow, reduction in biodiversity, etc. | | |
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| **Potential receptors of the impacts caused by the proposed modification(s) to the standard condition(s)** E.g. groundwater, surface water, air, soil, fauna, flora, people/communities  Be as specific as possible by using names of communities, rivers, national parks, threatened species etc. that may be affected. | | |
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In the **absence** of additional controls, fill out the below table using the numbers of the impacts and receptors above and the risk assessment methodology in Attachment 1.

|  | **Impact** | **Receptor** | **Likelihood** | | **Consequence** | | **Risk** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  |  |  |  |  |  |  |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |

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| **MITIGATION OF IMPACTS FROM PROPOSED MODIFICATION(S)** |

Describe the additional controls that will be implemented to mitigate any potential impacts from the proposed modifications.

Note: any supporting documentation (e.g. ground surveys) must be submitted with this risk assessment.

|  | **Impact** | | **Receptor** | **Controls** |
| --- | --- | --- | --- | --- |
|  | | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  |
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|  | | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  |
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|  | | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  |

In the **presence** of above additional controls being implemented on site, fill out the below table using the numbers of the impacts and receptors above and the risk assessment methodology in Attachment 1.

|  | **Impact** | **Receptor** | **Likelihood** | | **Consequence** | | **Residual risk** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |
|  | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ |  | Rare |  | Insignificant |  | Low |
|  | Unlikely |  | Minor |  | Moderate |
|  | Possible |  | Moderate |  | High |
|  | Likely |  | Major |  | Extreme |
|  | Almost certain |  | Catastrophic |  |  |

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| **JUSTIFICATION OF IMPACTS FROM PROPOSED MODIFICATION(S)** | | | | |
| Are there any residual risks that are not low? |  | Yes |  | No |
|  |  |  |  |  |
| If yes, provide justification why:   * no further controls should be implemented, and * the residual risk is acceptable.   Attach relevant supporting documentation | | | | |
|  | | | | |
| Any additional comments | | | | |
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# Attachment 1 – Risk assessment methodology

Risks must be assessed using the risk matrix, measures of likelihood and measures of consequences described below.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Likelihood** | | | | | |
| **Consequence** | Rare (1) | Unlikely (2) | Possible (3) | Likely (4) | Almost certain (5) |
| Insignificant (A) | Low (I) | Low (I) | Low (I) | Low (I) | Low (I) |
| Minor (B) | Low (I) | Low (I) | Moderate (II) | Moderate (II) | Moderate (II) |
| Moderate (C) | Moderate (II) | Moderate (II) | High (III) | High (III) | High (III) |
| Major (D) | High (III) | High (III) | Extreme (IV) | Extreme (IV) | Extreme (IV) |
| Catastrophic (E) | High (III) | Extreme (IV) | Extreme (IV) | Extreme (IV) | Extreme (IV) |

Table 1, qualitative measure of likelihood

|  |  |
| --- | --- |
| **Likelihood** | **Description** |
| Rare (1) | Has almost never occurred in similar operations but conceivably could |
| Unlikely (2) | Has occurred in similar operations, but is not expected to occur |
| Possible (3) | Could occur in most similar operations |
| Likely (4) | Will probably occur during operations lifetime |
| Almost certain (5) | Will occur, or is of a continuous nature, or the likelihood is unknown |

Table 2, qualitative measure of consequences

|  |  |
| --- | --- |
| **Consequence** | **Description** |
| Insignificant (A) | Possible impacts but without noticeable consequence |
| Minor (B) | Very local consequence with no significant long-term changes; may be simply rehabilitated or alleviated at some cost without outside assistance; not of significant concern to wider community |
| Moderate (C) | Significant local changes, but can be rehabilitated or alleviated with difficulty at significant cost and with outside assistance |
| Major (D) | Substantial and significant changes; will attract significant public concern; only partially able to be rehabilitated or alleviated. May be doubtful that can be successfully rehabilitated; major costs involved. Changes will be substantial if cumulative effects are considered. |
| Catastrophic (E) | Extreme permanent changes to social or natural environment (not able to be practically or significantly rehabilitated or alleviated); deaths or widespread health and economic effects on public; major public outrage or the consequences are unknown. |