

APPENDIX A: Significant variation notice form

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Form to apply for a significant variation of a proposed action or strategic proposal

Under sections 51 to 52 of the *Environment Protection Act 2019* a Proponent or Approval Holder must notify/refer a proposed significant variation to the Northern Territory Environment Protection Authority (NT EPA).

Additional information on submitting a notice of significant variation can be found in the document *Environmental Assessment Guideline - Providing Notice of a Significant Variation to the Northern Territory Environment Protection Authority* at [\(link\)](#).

1. Proponent/Referrer details			
Proponent <input checked="" type="checkbox"/>		Other relevant person/s <input type="checkbox"/>	
Name (print) Bruce Marshall		Signature <i>B Marshall</i>	
Position Operations Manager		Organisation Winchelsea Mining Pty Ltd	
Email	bmarshall@wmining.com.au		
Address Pole 12	Street No.	Street Name Rowell Highway	
	Suburb Alyangula	State NT	Postcode 0885
Does the referrer request that the NT EPA treat any part of the information in the referral as confidential? <i>Provide confidential information in a separate attachment.</i>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Title of the proposed significant variation		Winchelsea Island Manganese Mine Project	
Name of the proponent/s (including Trading Name if relevant)		Winchelsea Mining Pty Ltd	
Australian Company Number(s) <input type="checkbox"/> OR Australian Business Number(s) <input type="checkbox"/>		ACN: 626 747 037 _____ ABN: 92 626 747 037 _____	
Contact for the proposed significant variation (if different from those providing notice/referral).		As above	

Please include: name, physical address, phone, and email.	
<p>Significant variation declaration:</p> <p>I, Bruce Marshall....., (full name) declare that I am authorised to provide notice of/refer this significant variation on behalf of..... Winchelsea Mining Pty Ltd....., and further declare that the information contained in this form is true and not misleading.</p>	
2. Type of significant variation	
<p>What type of proposal is being referred for a significant variation?</p>	<input checked="" type="checkbox"/> proposed action <input type="checkbox"/> strategic proposal <input type="checkbox"/> proponent initiated EIS
<p>What stage in the environmental impact assessment process is your proposal currently in?</p>	<input checked="" type="checkbox"/> during assessment <input type="checkbox"/> after assessment report <input type="checkbox"/> after environmental approval
<p>Have draft terms of reference and statement of reasons been included?</p> <p>If so, ensure they are attached to this notice/referral of significant variation.</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Content of the Original Proposal	
<p>Describe the key characteristics of the original proposal, including detrimental environmental effects.</p> <p>Reference documents used to describe the contents of the original referral should be attached where relevant.</p> <p>Where relevant discuss compliance with the Environmental Approval to date.</p> <p><i>Provide as an attachment to the form</i></p>	<p>Key components of the original proposal are listed in the accompanying table.</p> <p>Potential detrimental environmental effects from the original proposal are provided in Section 8 of the original referral supporting document.</p>
4. Content of the proposed significant variation to the Proposal	

<p>Describe the key characteristics of the proposed significant variation and (see Environmental Assessment Guidance - Referring a Significant Variation to the NT EPA)</p> <p><i>Provide as an attachment to the form</i></p>	<p>Key components of the revised project are listed in the accompanying table.</p> <p>The revised project will result in a significant reduction of the disturbance footprint and potential environmental risks.</p>
<p>Have you provided electronic spatial data, maps and figures in the appropriate format?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>

5. Detrimental environmental effects of the proposed significant variation

<p>What are the environmental factors that could be significantly impacted by this proposed significant variation?</p>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Landforms <input checked="" type="checkbox"/> Terrestrial environmental quality <input checked="" type="checkbox"/> Terrestrial ecosystems <input checked="" type="checkbox"/> Hydrological processes <input type="checkbox"/> Inland water environmental quality <input type="checkbox"/> Aquatic ecosystems <input checked="" type="checkbox"/> Coastal processes <input checked="" type="checkbox"/> Marine environmental quality <input checked="" type="checkbox"/> Marine ecosystems <input type="checkbox"/> Atmospheric processes <input type="checkbox"/> Air quality <input type="checkbox"/> Society and economy <input type="checkbox"/> Culture and heritage <input type="checkbox"/> Human Health
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For each of the environmental factors identified above, complete the table at item 6 below, or provide the information in a supplementary report/appendix.

Responses in item 6 provide cross references to the relevant referral sections for each of the above items.

6. Potential environmental impacts		
Please see Appendix A to the significant variation guidance to assist in filling out this section.		
1	Receiving environment – Describe the current condition of the receiving environment in relation to this factor.	Refer Section 5 of the referral
2	Potential impacts – Identify and assess the potential impacts of the action against the NT EPA objective for the environmental factor.	Refer Section 8 of the referral. The preliminary environmental impact assessment section has been updated to account for the revised project.
3	Mitigation – Describe the measures proposed to avoid, mitigate and manage the potential environmental impacts.	Refer Section 8 of the referral. Project management and mitigation measures are provided for respective potential impacts.
4	Assumptions - Describe any assumptions critical to your assessment.	Assumptions are stated within the referral document and accompanying technical reports (namely Section 5, 6 and 8).
5	Relevant policy and guidance / industry standards used in applying mitigation measures.	
6	Consultation – Outline the outcomes of consultation in relation to the potential environmental impacts and proposed mitigation.	Refer Section 5.10.2 of the referral
7	Cumulative impact – of this action with other actions in the area.	Potential cumulative impacts are considered in the Appendix A risk assessment
8	Ecologically sustainable development – how have the principles been considered/applied?	Consideration of the project against the principles of ESD is provided in Section 9
9	Residual impact – provide a statement of the expected residual impact to the environmental factor.	Refer Section 8 of the referral. Considered inherent and residual risk of impacts is provided for the relevant NT EPA factors

APPENDIX B: Checklist

TABLE 1: ENVIRONMENTAL FACTORS, OBJECTIVES AND INDICATIVE ENVIRONMENTAL VALUES AND SENSITIVITIES POTENTIALLY RELEVANT TO THE PROPOSED SIGNIFICANT VARIATION

Theme	Environmental factor and objective	Indicative environment values and sensitivities	Does your significant variation have the potential to significantly impact on environmental values or sensitivities?
LAND	1) Landforms <u>Objective:</u> Conserve the variety and integrity of distinctive physical landforms so that environmental values are protected.	<ul style="list-style-type: none"> • distinctive features in the landscape, either geological or anthropogenic • subterranean karstic terrain and faults • craters, gorges, ranges, caves, massifs, escarpments, plateaus • monuments • culturally important features • tourism related to landforms 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Uncertain <input type="checkbox"/> Not Applicable
	2) Terrestrial environmental quality <u>Objective:</u> Protect the quality and integrity of land and soils so that environmental values are supported and maintained	<ul style="list-style-type: none"> • characteristics of soils, including chemical, physical, biological and aesthetic qualities 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Uncertain <input type="checkbox"/> Not Applicable
	3) Terrestrial ecosystems <u>Objective:</u> Protect the NT's flora and fauna so that environmental values including biological diversity and ecological integrity are maintained.	<ul style="list-style-type: none"> • 'sensitive or significant' vegetation • vegetation that provides an important ecological function • listed threatened species and their habitat (NT and Commonwealth) • listed migratory species and their habitat (Commonwealth) • locally endemic species or species with restricted habitat • 'iconic' or culturally important animals, plants and vegetation 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Uncertain <input type="checkbox"/> Not Applicable

While the project has potential to significantly impact values or sensitivities, the revised project significantly reduced the disturbance footprint and subsequent risk of impacts.

Theme	Environmental factor and objective	Indicative environment values and sensitivities	Does your significant variation have the potential to significantly impact on environmental values or sensitivities?
WATER	<p>1) Hydrological processes</p> <p><u>Objective:</u> Protect the hydrological regimes of groundwater and surface water so that environmental values are maintained.</p>	<ul style="list-style-type: none"> • the supply and quantity of water in surface water features including rivers, lakes, wetlands, swamps, creeks, billabongs, intermittent streams, floodplains, mangroves and drainage lines • the supply and quantity of water in groundwater features including aquifers, aquitards and water tables • declared beneficial uses • present and future uses, and users of water • current or potential water supplies, including regional scale aquifers • culturally important water features 	<p><input checked="" type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Uncertain</p> <p><input type="checkbox"/> Not Applicable</p>
	<p>2) Inland water environmental quality</p> <p><u>Objective:</u> Protect the quality of groundwater and surface water so that environmental values including ecological health, land uses and the welfare and amenity of people are maintained.</p>	<ul style="list-style-type: none"> • the quality of water in surface water features including rivers, lakes, wetlands, swamps, creeks, billabongs, intermittent streams, floodplains, mangroves and drainage lines • the quality of water in groundwater features including aquifers and water tables • declared beneficial uses • present and future uses and users of water • current or potential water supplies, including regional scale aquifers • culturally important water features • RAMSAR wetlands 	<p><input checked="" type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Uncertain</p> <p><input type="checkbox"/> Not Applicable</p>
	<p>3) Aquatic ecosystems</p> <p><u>Objective:</u> Protect aquatic habitats and flora and fauna to maintain environmental values including biological diversity of flora and fauna and the ecological functions they perform.</p>	<ul style="list-style-type: none"> • the health of the biota in inland waterways • the habitats that support the lifecycle of aquatic biota • groundwater dependent ecosystems 	<p><input checked="" type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Uncertain</p> <p><input type="checkbox"/> Not Applicable</p>

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SEA	<p>1) Coastal processes</p> <p><u>Objective:</u> Protect the geophysical and hydrological processes that shape coastal morphology so that the environmental values of the coast are maintained.</p>	<ul style="list-style-type: none"> • processes that support coastal benthic communities and habitats such as coral reefs, mangroves, salt marshes, seagrass meadows and sponge gardens • conservation significant low lying areas including tidal creeks, deltas and river mouths • unique coastal landforms • significant cultural and aesthetic values • active or passive recreation 	<p><input checked="" type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Uncertain</p> <p><input type="checkbox"/> Not Applicable</p>
	<p>2) Marine Environmental Quality</p> <p><u>Objective:</u> Protect the quality and productivity of water, sediment and biota so that environmental values are maintained.</p>	<ul style="list-style-type: none"> • quality of the water, sediment and biota • ecosystem health condition • fishing and aquaculture • recreation and aesthetics • industrial water supply • cultural and spiritual values 	<p><input checked="" type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Uncertain</p> <p><input type="checkbox"/> Not Applicable</p>
	<p>3) Marine ecosystems</p> <p><u>Objective:</u> Protect marine habitats and flora and fauna so that biological and functional diversity and ecological integrity are maintained.</p>	<ul style="list-style-type: none"> • conservation significant marine and coastal fauna and critical habitat such as nesting, breeding or foraging habitat • conservation significant marine and coastal flora and vegetation • groups of species (species richness and assemblages of species) • ecological functions and processes • species of social, cultural and/or economic significance. • integrity of marine ecosystems and the ecological services they supply • biological diversity • functional diversity • provision of refuge • food supply 	<p><input checked="" type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Uncertain</p> <p><input type="checkbox"/> Not Applicable</p>

Theme	Environmental factor and objective	Indicative environment values and sensitivities	Does your significant variation have the potential to significantly impact on environmental values or sensitivities?
AIR	1) Air quality <u>Objective:</u> Protect air quality and minimise emissions and their impact so that environmental values are maintained.	<ul style="list-style-type: none"> the chemical, physical and biological characteristics of air the biological processes that depend on the air quality 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Uncertain <input type="checkbox"/> Not Applicable
	2) Atmospheric processes <u>Objective:</u> Minimise greenhouse gas emissions so as to contribute to the NT Government's aspirational target of achieving net zero greenhouse gas emissions by 2050, and adapt to a changing climate to protect ecological integrity and maintain the welfare and amenity of people.	<ul style="list-style-type: none"> A contribution to the NT's greenhouse gas emissions Adaptation to a changing climate 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Uncertain <input type="checkbox"/> Not Applicable
PEOPLE	1) Society and economy <u>Objective:</u> Maintain or enhance the social and economic values for current and future generations of Territorians.	<ul style="list-style-type: none"> communities, towns, private properties and dwellings where people reside aesthetics and recreation resources including water supply and food sources jobs and businesses agriculture, fisheries and industry 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Uncertain <input type="checkbox"/> Not Applicable
	2) Culture and heritage <u>Objective:</u> Protect the rich cultural and heritage values of the Northern Territory. <ul style="list-style-type: none"> cultural heritage items and places sacred sites 	<ul style="list-style-type: none"> bush foods totemic flora and fauna important or significant country 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Uncertain <input type="checkbox"/> Not Applicable

Theme	Environmental factor and objective	Indicative environment values and sensitivities	Does your significant variation have the potential to significantly impact on environmental values or sensitivities?
	3) Human health <u>Objective:</u> Ensure that the risks to human health are identified, understood and adequately avoided and/or mitigated	<ul style="list-style-type: none"> • drinking water • recreational water • air quality • bush tucker • radiological limits 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Uncertain <input type="checkbox"/> Not Applicable

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