


Referral of a proposal under s. 38 of the EP Act

| PART A: PROPONENT AND REFERRER INFORMATION AND PROPOSAL DESCRIPTION | | | | |
|--|--|--|--|---------------------------|
| Referrer information | | | | |
| Who is referring this proposal? | | | <input checked="" type="checkbox"/> Proponent <input type="checkbox"/> Decision-making authority <input type="checkbox"/> Community member/third party | |
| Name Cindy Beckley <i>Name of the person or organisation referring</i> | | | Signature | |
| Position | Senior Environmental Approvals – MRD | | Organisation | Tronox Management Pty Ltd |
| Email | Cindy.beckley@tronox.com | | Phone | 0461382360 |
| Address | 742 | | Brand Highway | |
| | Muchea | | WA | 6501 |
| Date | 7 March 2025 | | | |
| Does the referrer request that the EPA treat any part of the proposal information in the referral as confidential? | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>Provide confidential information in a separate attachment.</i> | |
| Does the referrer confirm that they consent to receive correspondence electronically? | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Referral declaration for proponent and Authorised representative: I, Cindy Beckley declare that I am authorised to refer this proposal on behalf of Tronox Management Pty Ltd and further declare that the information contained in this form is true and not misleading. <div style="text-align: center;"></div> Date: 7 March 2025 | | | | |
| Proponent information | | | | |
| Name of the proponent/s <i>Include Trading Name if relevant</i> | | | Tronox Management Pty Ltd | |
| Australian Company Number(s) <input type="checkbox"/> OR Australian Business Number(s) <input checked="" type="checkbox"/> | | | ABN: 59 009 343 364 | |
| Pre-referral discussions | | | | |
| Have you had pre-referral discussions with the EPA (including the EPA Services of DWER)? | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Two pre-referral meetings were held with the representatives of the Environmental | |

| | | |
|--|---|--|
| If so, provide name, date, and overview of discussions. | | Protection Authority (EPA) Services in December 2023 and November 2024, respectively. Discussed the original and revised (current) proposals. |
| Proposal information | | |
| Proposal name | | Osprey Expansion |
| What is the proposal? (Include general description in the Instructions and template: How to identify the content of a proposal) | | <p>The proposal is to develop a satellite pit (Osprey) adjacent to the existing Cooljarloo and Cooljarloo West Mineral Sands Project (Ministerial Statement 1158), located approximately 175 kilometres (km) north of Perth.</p> <p>The Osprey Expansion will have a disturbance footprint of 61 hectares (ha), representing an increase in the existing project footprint (5,807 ha) by 1%.</p> <p>The development of the satellite pit will extend the life of mine by 12 months. The floating feed preparation unit and primary concentrator from the existing mine will be used. The produced Heavy Mineral Concentrate (HMC) will be transported to a Tronox processing plant for further processing and treatment.</p> |
| Have you provided electronic spatial data, maps, and figures in the appropriate format? | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| What type of proposal is being referred? <i>For significant amendment or derived proposal, provide the associated existing Ministerial statement number/s</i> <i>For a proposal under an assessed planning scheme, provide the scheme number and name</i> | <input checked="" type="checkbox"/> significant proposal. <i>Choose which type of significant proposal</i> <input type="checkbox"/> new proposal <input checked="" type="checkbox"/> significant amendment (proposal only) <input type="checkbox"/> significant amendment (conditions only) <input type="checkbox"/> significant amendment (proposal and conditions) <input type="checkbox"/> strategic proposal <input type="checkbox"/> derived proposal <input type="checkbox"/> proposals of a prescribed class <input type="checkbox"/> proposal under an assessed planning scheme | |
| Proposal content: Complete the corresponding template (Proposal Content Document) from the Instructions and template: How to identify the content of a proposal for the type of proposal identified above. The completed form must be submitted with the referral. | | |

| | |
|---------------------|---|
| Alternatives | <p>Based on baseline environmental investigations, the disturbance footprint and disturbance envelope of the proposal were reviewed resulting in reduction in vegetation clearing including reduction in clearing of the Banksia Woodlands of the SCP by 29 ha and reducing impacts to priority flora species. The impacts to Carnaby's Cockatoo foraging habitat have been reduced by 188 ha.</p> <p>The mining method for the proposal was amended to include dredge mining only.</p> |
|---------------------|---|

PART B: ASSESSMENT OF ENVIRONMENTAL IMPACTS

Environmental factors

What are the likely significant environmental factors for this proposal?

- ☐ Benthic Communities and Habitat
- ☐ Coastal Processes
- ☐ Marine Environmental Quality
- ☐ Marine Fauna
- ☒ Flora and Vegetation
- ☐ Landforms
- ☐ Subterranean Fauna
- ☐ Terrestrial Environmental Quality
- ☒ Terrestrial Fauna
- ☒ Inland Waters
- ☐ Air Quality
- ☒ Greenhouse Gas Emissions
- ☐ Social Surroundings
- ☐ Human Health

For **each** of the environmental factors identified above, complete the following table, or provide the information in a supplementary report

Potential environmental impacts – for each environmental factor

| | | |
|---|---|---------------------------------------|
| 1 | EPA policy and guidance | Refer to attached supporting document |
| 2 | Receiving environment | Refer to attached supporting document |
| 3 | Likely environmental impacts | Refer to attached supporting document |
| 4 | Application of the mitigation hierarchy, including other statutory decision-making processes | Refer to attached supporting document |
| 5 | Assessment and significance of residual impacts | Refer to attached supporting document |
| 6 | Likely environmental outcomes | Refer to attached supporting document |

Holistic impact assessment

The potential impacts of the proposal have been considered in a holistic context and a conceptual model demonstrating links between key environmental factors is provided in the supporting document.

Cumulative environmental impact assessment

The addition of 59.14 ha of clearing native vegetation for the Osprey Expansion project will increase the approved disturbance footprint of the existing Cooljarloo and Cooljarloo West Mineral Sands Project area by 1%.

The proposed vegetation clearing amounts to 0.7% of the local and Swan Coastal Plain (SCP) scale of the Bassendean vegetation system in Western Australia, which has over 60% of its pre-European extent remaining at all scales.

Cumulative impacts to the Carnaby's Black-Cockatoo regional foraging habitat as a result of proposed clearing is anticipated to be low, as the proposed clearing will result in a loss of 0.03% of suitable Carnaby foraging habitat.

Overall, the cumulative impacts to flora, vegetation and fauna as a result of vegetation clearing are not anticipated to be significant.

Consultation

Ongoing stakeholder engagement is being undertaken for the approved Cooljarloo Mine. Tronox will continue to engage with relevant stakeholders throughout the environmental approval process to ensure all concerns are addressed.

Supporting documents

- Proposal Content Document
- Osprey Expansion Environmental Referral Supporting Document
- Environmental Management Plan (Appendix A)
- Studies and Surveys (Appendix B)
- DWER Environmental Offsets Calculations (Appendix C)

Has the referrer provided survey information according to the [Instructions and Form: IBSA Data Packages](#) and/or the [Instructions and form: IMSA Data Packages](#)

☒ Yes

☐ No

Conclusion

Tronox does not consider that the proposed Osprey Expansion of the existing approved proposal will have a significant impact on the environment with the mitigation measures in place.

PART B: ASSESSMENT OF ENVIRONMENTAL IMPACTS FOR SIGNIFICANT AMENDMENTS ONLY

| | |
|--------------------------------------|--|
| Type of significant amendment | <input checked="" type="checkbox"/> significant amendment to the approved proposal <input type="checkbox"/> significant amendment to the implementation conditions <input type="checkbox"/> significant amendment to both the proposal and the implementation conditions |
| Information of the approved proposal | Ministerial Statement 1158 Cooljarloo and Cooljarloo West Mineral Sands Project |

| | |
|---|--|
| <p>Combined effects of the approved proposal and significant amendment</p> | <p>Appropriate environmental studies have been undertaken to ensure potential impacts associated with proposed activities are well understood.</p> <p>Additional 59.14 ha of clearing native vegetation that represents 0.15% of the remaining native vegetation within 12km is required for the implementation of the Osprey Expansion project. The clearing will include 33.37 ha of Banksia woodlands within the SCP PEC.</p> <p>The extent of Carnaby's Black Cockatoo foraging habitat within the proposed development envelope has been calculated. The proposed development still facilitates connectivity across the area. There are areas of ecological linkage habitat surrounding the DE that is in excellent condition. The loss of foraging habitat is unlikely to reduce habitat quantity or quality to an extent that led to population fragmentation on a local scale. Implementation of Offset Strategy will be undertaken to compensate residual impacts due to loss of Carnaby's Black-Cockatoo foraging habitat.</p> |
| <p>Analysis of existing implementation conditions</p> | <p>No significant changes to implementation conditions are required.</p> |

| | |
|---|---|
| <p>Previous changes to the Proposal and or implementation conditions</p> | <p>The Cooljarloo Mineral Sands Project consist of the following approvals:</p> <ul style="list-style-type: none"> • <i>Mineral Sands (Cooljarloo) Mining and Processing Agreement Act 1988</i> – State Agreement Act for the mining of mineral sands at the Cooljarloo deposit. • <i>Cooljarloo Mineral Sands Project</i> (Ministerial Statement 037, 3 October 1988), for the mining of titanium minerals. • <i>Cooljarloo Mineral Sands Project – Mining of Titanium Minerals, Orebodies 27 200 and 28 000, Shire of Dandaragan</i> (Ministerial Statement 557, 10 November 2000), for the mining of titanium minerals from ore bodies 27 200 and 28 000 adjacent to the southern mining operations of the existing Cooljarloo mineral sands mine. • <i>Cooljarloo Mine – Falcon Extension</i> (Ministerial Statement 790, 16 March 2009), for an extension of open pit mining by dredging and dry mining adjacent to the existing Cooljarloo Mineral Sands Mine. • <i>Cooljarloo Mine – Falcon Extension</i> (Ministerial Statement 977, 30 July 2014), extension of open pit mineral sands mining by dredging and dry mining adjacent to the existing Cooljarloo Mineral Sands Mine. • <i>Cooljarloo and Cooljarloo West Mineral Sands Project</i> (Ministerial Statement 1158, 22 January 2021), proposal to amalgamate the existing operations and expand the Cooljarloo Mineral Sands Project to include the Cooljarloo West proposal comprising dredge mining of three mineral deposits – Woolka, Harrier and Kestrel. |
| <p>Compliance</p> | <p>A history of one non-compliance event (Audit Code MS1158: M1-1) - implementation of the Proposal regarding authorised extent not in accordance with Schedule 1 of MS1158 (Ministerial Statement compliance Assessment Report: Cooljarloo MS 1158, 2023).</p> |
| <p>Environmental Performance</p> | <p>The proposal is currently meeting environmental performance expectations.</p> |
| <p>Control of implementation of significant amendment</p> | <p>Existing management plans are adequate to control the proposed amendment. The Environmental Management Plan provided in Appendix A has been updated to control the current amendment sufficiently.</p> |

PART C: OTHER APPROVALS AND REGULATION

Decision-making authorities and their approvals

Provide a table list of the decision-making authorities, associated legislation or agreement regulating the activity and the specific approval required. (Example table at the end of form)

Refer to Table 1 below.

Provide a summary of the statutory decision-making processes you consider can mitigate the potential impacts of the proposal on the environment. (Note: this should be a summary of the information provided in Part B section 2.4). (Example table at the end of form)

Refer to Table 2 below.

Tenure and Local Government approvals

Location of proposal:

- street address, lot number, suburb, and nearest road intersection; or
- if remote, the nearest town and distance and direction from that town to the proposal site.

The existing project is located within the mining leases M70/1398, M70/3114 and M70/1333.

The development of the Osprey satellite pit will be undertaken within mining lease M70/1413.

Name of the Local Government Authority in which the proposal is located.

The project is located in the Shire of Dandaragan, Western Australia.

Is rezoning of any land required before the proposal can be implemented?

If yes, please provide details.

☐ Yes ☒ No

What is the current land use on the property, and the extent (area in hectares) of the property?

Exploration works have been carried out on the tenement.

Does the proponent have the legal access required for the implementation of all aspects of the proposal?

If yes, provide details of legal access authorisations / agreements / tenure.

If no, what authorisations / agreements / tenure is required and from whom?

☒ Yes ☐ No

Commonwealth Government approvals

Does the proposal involve an action that may be or is a controlled action under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act)?

☒ Yes ☐ No

Has the proposed action been referred? If yes, when was it referred and what is the reference number (EPBC No.)?

☐ Yes ☒ No

If referred, has a decision been made on whether the proposed action is a controlled action? If 'yes',

☐ Yes ☒ No
☐ Decision – controlled action

| | |
|--|--|
| check the appropriate box and provide the decision in an attachment. | <input type="checkbox"/> Decision – not a controlled action |
| If the proposal is determined to be a controlled action, do you request that this proposal be assessed under a Bilateral Agreement or as an accredited assessment? | <input type="checkbox"/> Yes - Bilateral <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes – Accredited |
| Is approval required from other Commonwealth Government/s for any part of the proposal? <i>If yes, describe.</i> | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Approval: |
| Decision-making authority referrals <u>ONLY</u> | |
| What approval/s, under your authority, are required for this proposal? <i>Please provide details.</i> | N/A |

Table 1: Other approvals

| Decision-making authority | Legislation or Agreement regulating the activity | Approval required (and specify which proposal element the approval is related to) |
|--|--|--|
| Minister for Mines and Petroleum Department of Energy, Mines, Industry Regulation and Safety (DEMIRS) | <i>Mining Act 1978</i> | <ul style="list-style-type: none"> • Revision and approval of Mining proposal • Revision and approval of Mine closure plan • Revision and approval of Radiation Management Plan |
| Minister for Water Department of Water and Environmental Regulation (DWER) | <i>Rights in Water and Irrigation Act 1914</i> | Section 5C licence to abstract water |
| Chief Executive Officer Department of Water and Environmental Regulation (DWER) | <i>Environmental Protection Act 1986</i> | Part V Licence: L5319/1988/12 Category 8: Mineral sands mining or processing: premises on which mineral sands ore is mined, screened, separated or otherwise processed |

Table 2: Other statutory decision-making process which can mitigate potential impacts on the environment

| Environmental impact | How is the impact regulated by other decision- making process(es)? | Limit(s) of the decision-making process(es) to regulate the impact eg time limits, excluded operations | Likely environmental outcome of decision-making process(es), and consistency with EPA objective | Conditions, enforcement, and review process required by decision-making process(es) | Stakeholder engagement in decision-making process(es) |
|--|--|--|---|---|--|
| Air quality: Dust emissions | Part V Licence: L5319/1988/12 | N/A | To maintain air quality and minimize emissions so that environmental values are protected | Impacts to air quality can be mitigated through management controls and conditions set in Part V licence. | Stakeholder engagement with DWER is being undertaken annually and as required. |
| Flora and vegetation Terrestrial fauna Inland Waters | Mining proposal and mine closure plan | N/A | <p>To protect flora and vegetation so that biological diversity and ecological integrity are maintained.</p> <p>To protect terrestrial fauna so that biological diversity and ecological integrity are maintained.</p> <p>To maintain the hydrological regimes and quality of groundwater and surface water so that environmental values are protected.</p> | The potential impacts to flora and vegetation, inland waters and terrestrial fauna can be adequately mitigated through tenement conditions. | A revised mining proposal and mine closure plan is required to obtain prior implementation of the proposed activities. |