

Proposal Content Document- s45c change to implementation conditions

Table 1: General proposal content description

| | |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Proposal title | Onslow Solar Salt Project |
| Proponent name | Onslow Salt Pty Ltd |
| Short description | The solar salt field produces crystalline salt by evaporating seawater pumped from Beadon Creek, near the town of Onslow in the Pilbara region of Western Australia (Figure 1). As water is evaporated, the resultant brine increases in density through a series of condenser ponds. Maiden brine is transferred to the crystallisers where the salt is crystallised from solution. Raw salt is harvested then hauled, washed and stockpiled prior to being exported via a trestled load-out facility to a dredged approach channel that accommodates shipping. Bitterns, reject brines from the process, are discharged in a controlled manner through Middle Creek. |

Table 2: Proposal content elements

| Proposal element | Location / description | Maximum extent, capacity or range |
|----------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------|
| Physical elements | | |
| Development envelope | Figure 1 | 23,266.3 ha |
| Disturbance footprint | Figure 1 | 10,200.1 ha |
| Condenser ponds | Figure 1 | 8,009.0 ha |
| Crystalliser ponds | Figure 1 | 1,040.0 ha |
| Materials pits and quarries | Figure 1 | 302.3 ha |
| Access and haul roads | Figure 1 | 222.0 ha |
| Workshops and plant | Figure 1 | 38.4 ha |
| Jetty length (area) | Figure 1 | 1.25 km (3.8 ha given 30 m width) |
| Dredge channel | Figure 1 | 9.6 km (length), 10.8 m (depth), 120 m (width) (115.2 ha) |
| Seawater Intake Pump | Figure 1 | 12 m ³ /sec |
| Settling Ponds | Figure 1 | 5.0 ha |
| Construction elements | | |
| Construction is complete | - | Construction is complete |
| Operational elements | | |
| Stockpile volume | Figure 1 | 1,000,000 m ³ |
| Bitterns discharge | Figure 1 | 22,500 m ³ per day |
| Power consumption | - | 3 MW |
| Average annual greenhouse gas emissions from all plant and equipment | - | 12,114 tonnes of carbon dioxide equivalent (CO ₂ -e) per year. |
| Annual Salt Production | - | 3.5 million tonnes (dry) per annum |

| Proposal element | Location / description | Maximum extent, capacity or range |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------|
| Proposal elements with greenhouse gas emissions | | |
| Construction elements: | | |
| Construction is complete | Construction is complete | |
| Operation elements: | | |
| All plant and equipment | 12,114 t CO ₂ -e | |
| Rehabilitation | | |
| Progressive rehabilitation of materials sourcing areas throughout the life of the approved proposal. Implementation of the Preliminary Mine Closure Plan at least 6 years prior to closure. | | |
| Commissioning | | |
| Commissioning is complete | | |
| Decommissioning | | |
| Commenced at least 6 years prior to closure in accordance with the approved proposal's Preliminary Mine Closure Plan. | | |
| Other elements which affect extent of effects on the environment | | |
| Proposal time | Maximum project life | No set limit (nominally 50 years) |
| | Construction phase | Construction is complete |
| | Operations phase | No set limit (nominally 50 years) |
| | Decommissioning phase | At least 6 years prior to closure |

Attachments

Figure 1: Onslow Salt Development Envelope and Infrastructure

Figure 2: Onslow Salt Mining Tenure & Infrastructure