



<b>Works approval number</b>	W6652/2022/1
<b>Works approval holder</b>	Australasian Sands International Holdings Pty Ltd
<b>ACN</b>	656 090 336
<b>Registered business address</b>	401 Spearwood Avenue BIBRA LAKE WA 6965
<b>DWER file number</b>	DWER2021/000651
<b>Duration</b>	6 October 2022 to 6 October 2025
<b>Date of issue</b>	6 October 2022
<b>Premises details</b>	725 Allanooka Springs Road, WALKAWAY WA 6528 Lot 68 on Deposited Plan 71382 Certificate of Title Volume 2793 Folio 100

<b>Prescribed premises category description</b> (Schedule 1, <i>Environmental Protection Regulations 1987</i> )	<b>Assessed production / design capacity</b>
Category 12: Screening etc. of materials	1,000,000 tonnes per annum

This works approval is granted to the works approval holder, subject to the attached conditions, on 6 October 2022, by:

**Samara Rogers**

**A/MANAGER, RESOURCES INDUSTRIES  
REGULATORY SERVICES**

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

## Works approval history

Date	Reference number	Summary of changes
6/10/2022	W6552/2022/1	Works approval granted.

## Interpretation

In this works approval:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this works approval:
  - (i) if dated, refers to that particular version; and
  - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

**NOTE:** This works approval requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this works approval.

# Works approval conditions

The works approval holder must ensure that the following conditions are complied with:

## Construction phase

### Infrastructure and equipment

1. The works approval holder must:
  - a) construct and/or install the infrastructure and equipment;
  - b) in accordance with the corresponding design and construction requirements; and
  - c) at the corresponding infrastructure locations;as set out in Table 1

**Table 1: Design and construction/installation requirements**

Item	Infrastructure	Design and construction / installation requirements	Infrastructure location
1.	Mobile screening plant	<ul style="list-style-type: none"><li>• Mobile screening plant to consist of:<ul style="list-style-type: none"><li>- 2 x Terex 683 screens or equivalent plant; and</li><li>- Telestack 32 m stacker or equivalent plant</li></ul></li><li>• To be installed and constructed as per manufacturer's specifications</li><li>• Location of mobile screening plant to be consistent with Figure 1, Schedule 1</li><li>• Layout of mobile screening plant to be consistent with Figure 2, Schedule 1</li></ul>	Prescribed premise boundary defined by coordinates in Schedule 2, Table 4.
2	Mobile wash plant and Process water pond	<ul style="list-style-type: none"><li>• Mobile wash plant to consist of:<ul style="list-style-type: none"><li>- 3 x Terex FM120 washers or equivalent plant; and</li><li>- A900 CDE aqua-cycle tank or equivalent plant</li></ul></li><li>• To be installed and constructed as per manufacturer's specifications</li><li>• Location of mobile washing plant to be consistent with Figure 1, Schedule 1</li><li>• Layout of mobile washing plant to be consistent with Figure 2, Schedule 1</li><li>• Process water pond to be lined with PVC or HPDE</li><li>• Process water pond designed to:<ul style="list-style-type: none"><li>- hold a maximum volume of 6,000 m<sup>3</sup> of process water; and</li></ul></li></ul>	

Item	Infrastructure	Design and construction / installation requirements	Infrastructure location
		<ul style="list-style-type: none"> <li>to contain a 1% AEP 24-hour rain fall event:</li> <li>Wash plant and process water pond circuit to be closed system</li> </ul>	
3	Fuel storage tank and associated infrastructure	<ul style="list-style-type: none"> <li>Capacity not to exceed 50,000 litres</li> <li>Tank to be self-bunded</li> <li>Above ground pipelines to be double walled, with the outer pipe draining back to a fully contained recovery sump</li> <li>Fuel storage area is to be contained within a hardstand and fully bunded</li> </ul>	Located within the "Prescribed Premise boundary" of Premise Map Figure 1, Schedule 1
4	Water cart	<ul style="list-style-type: none"> <li>Must be available and operation to effectively wet dust down generating areas</li> </ul>	N/A
5	On site meteorological station	<ul style="list-style-type: none"> <li>Siting to be compliant with AS/NZS3580.1.1</li> </ul>	Located within the "Prescribed Premise boundary" of Premise Map Figure 1, Schedule 1

2. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1 being constructed or installed:
  - a) undertake a sand sample analysis to determine the presence and amount of silica within the sand material to be screened; and
  - b) include the sand sample analysis results within the Environmental Compliance Report, required by Condition 3.

### Compliance reporting

3. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1 being constructed or installed:
  - c) undertake an audit of their compliance with the requirements of condition 1; and
  - d) prepare and submit to the CEO an Environmental Compliance Report on that compliance.
4. The Environmental Compliance Report required by condition 2, must include as a minimum the following:
  - a) certification by the site manager that the items of infrastructure specified in condition 1, have been constructed in accordance with the relevant requirements specified in condition 1;
  - b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 1;

- c) where the manufacturer's design specifications and the conditions of this works approval have not been met, what measures will the works approval holder take to meet them, and what timeframes will be required to implement those measures; and
- d) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

## Time limited operations phase

### Commencement and duration

5. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 1 where the Environmental Compliance Report as required by condition 2 has been submitted by the works approval holder for that infrastructure.
6. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 7 (as applicable):
  - a) for a period not exceeding 180 calendar days from the day the works approval meets the requirements of condition 4 for that item of infrastructure; or
  - b) until such a time as a licence for that item of infrastructure is granted in accordance with Part V of the *Environmental Protection Act 1986*, if one is granted before the end of the period specified in Condition 5(a).

### Time Limited operational requirements

7. The works approval holder must ensure that screening operations at the premises only occur between the hours of 0700 to 1800 on the days Monday to Saturday. Screening operations are not permitted on Sunday and public holidays.
8. The works approval holder must ensure that the premises infrastructure listed in Table 2 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirements set out in Table 2.

**Table 2: Infrastructure and equipment requirements during time limited operations**

	Infrastructure and equipment	Operational requirement	Infrastructure location
1.	Mobile equipment: <ul style="list-style-type: none"> <li>2 x Terex 683 screens or equivalent plant</li> <li>3 x Terex FM120 washers or equivalent plant</li> <li>Telestack 32 m stacker or equivalent plant</li> <li>A900 CDE aqua-cycle tank or equivalent plant</li> </ul>	<ul style="list-style-type: none"> <li>Use and maintain mobile equipment as per the manufacturer's specifications</li> <li>Clean surface water runoff to be diverted around mobile screening and washing plant and stockpiles</li> <li>Potentially contaminated surface water runoff to be contained onsite</li> </ul>	Schedule 1 – Premises Map
2.	Water cart	<ul style="list-style-type: none"> <li>Water cart must be available and operational at all times to effectively wet down dust generating areas and stockpiles when required.</li> </ul>	N/A

	Infrastructure and equipment	Operational requirement	Infrastructure location
3.	Mobile wash plant and Process water pond	<ul style="list-style-type: none"> <li>All process water recycling circuit tanks, pond and transfer pipes must be maintained to be free of leaks and defects.</li> <li>No process water is to be discharged to the environment.</li> </ul>	Schedule 1 – Premises Map
4.	Fuel Storage tank and refueling area	<ul style="list-style-type: none"> <li>Spills and/or leaks of hydrocarbons to be contained and cleaned up as soon as they occur.</li> <li>Fuel, and other hydrocarbons to be stored and managed in accordance with AS1940- 2017 (as amended 2019 and 2021): Storage and handling of flammable and combustible liquids</li> </ul>	Schedule 1 – Premises Map
5.	Meteorological station	Operation to be compliant with AS 3580.14	Located within the “Prescribed Premise boundary” of Premise Map Figure 1, Schedule 1

9. The works approval holder must undertake daily observation of wind direction and strength and cease sand screening and stockpiling operations if easterly, and/or north-easterly winds exceed 100 km/hr.
10. The works approval holder must manage dust generation at the premises by:
- wetting down unsealed roads, stockpiles and exposed areas with a water cart;
  - limiting all vehicle traffic within the premises to speeds of less than 10km/hr; and
  - ceasing dust generating activities on site in accordance with condition 9.

## Monitoring during time limited operations

### General

11. The works approval holder must ensure that all monitoring equipment is operated and calibrated in accordance with the manufacturer’s specifications.

### Noise emissions monitoring

12. Within 14 calendar days of the commencement of time limited operations the works approval holder must retain the services of a person qualified and experienced in environmental noise assessment and who by their qualifications and experience is eligible to hold membership of the Australian Acoustical Society or the Australian Association of Acoustical Consultants to:
- investigate the nature and extent of noise emissions from the premises;

- b) assess in accordance with the methodology required in the *Environmental Protection (Noise) Regulations 1997* (Noise Regulations) the compliance of the noise emission from the primary operations against the relevant assigned levels specified those Regulations; and
  - c) compile and submit to the works approval holder within 45 calendar days of the commencement date of this works approval a report in accordance with condition 12.
- 13. A report prepared pursuant to condition 11(c) is to include:
  - a) a description of the methods used for monitoring of noise emissions from the premises;
  - b) details and results of the investigation undertaken pursuant to condition 11(a);
  - c) details and results of the assessment of the noise emissions from the premises, against the relevant assigned levels in the Noise Regulations undertaken pursuant to condition 11(b); and
  - d) an assessment of noise levels against the levels predicted in the Environmental Acoustic Impact Assessment (Herring Storer 2021) supplied with the works approval application.
- 14. The works approval holder must submit to the CEO the report prepared pursuant to condition 11(c) within 14 calendar days of receiving it.
- 15. Where an assessment pursuant to condition 11(b) indicates that noise emissions do not comply with the relevant assigned levels in the Noise Regulations, the works approval holder must:
  - a) within 30 calendar days of receiving an assessment report pursuant to condition 11(c), prepare a plan to ensure the undertaking of a prescribed premises will no longer lead to any contravention of the Noise Regulations: and
  - b) provide to the CEO a copy of the plan prepared pursuant to condition 14(a) within 7 calendar days of its preparation.
- 16. The works approval holder must ensure that the plan prepared pursuant to condition 14(b) is to include timeframes for the completion of additional noise mitigation measures.
- 17. The works approval holder may recommence time limited operations of the infrastructure specified in condition 1 upon implementation of all noise mitigation measures identified in accordance with condition 14(b).
- 18. Where operations are recommended in accordance with condition 16, the works approval holder must notify the CEO in writing a minimum of 48 hours prior to commencing time limited operations.

### Compliance Reporting

- 19. The works approval holder must submit to the CEO a report on the time limited operations within 30 calendar days of the completion date of time limited operations or 30 calendar days before the expiration date of the works approval, whichever is the sooner.
- 20. The works approval holder must ensure that the report required by condition 18 includes the following:
  - a) a summary of the time limited operations, including timeframes and amount of material processed;

- b) a summary of noise monitoring results obtained during time limited operations under condition 11;
- c) a review of performance and compliance against the conditions of the works approval; and
- d) where the manufacturer's design specifications and the conditions of this work approval have not been met, what measures will the works approval holder take to meet them, and what timeframes will be required to implement those measures.

## Records and reporting (general)

- 21.** The works approval holder must record the following information in relation to complaints received by the works approval holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
  - a) the name and contact details of the complainant, (if provided);
  - b) the time and date of the complaint;
  - c) the complete details of the complaint and any other concerns or other issues raised; and
  - d) the complete details and dates of any action taken by the works approval holder to investigate or respond to any complaint.
- 22.** The works approval holder must maintain accurate and auditable books including the following records, information, reports, and data required by this works approval:
  - a) the works conducted in accordance with condition 1;
  - b) any maintenance of infrastructure that is performed in the course of complying with condition 8;
  - c) monitoring programmes undertaken in accordance with conditions 11 and 12; and
  - d) complaints received under condition 21.
- 23.** The books specified under condition 22 must:
  - a) be legible;
  - b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
  - c) be retained by the works approval holder for the duration of the works approval; and
  - d) be available to be produced to an inspector or the CEO as required.



## Definitions

In this works approval, the terms in Table 3 have the meanings defined.

**Table 3: Definitions**

Term	Definition
AEP	means annual exceedance probability - the probability that a given rainfall total accumulated over a given duration will be exceeded in any one year.
annual period	a 12 month period commencing from 1 July until 30 June of the immediately following year.
AS1940:2017	means the Australian Standard AS1940:2017 <i>Storage and Handling of Flammable and Combustible Liquids</i>
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V Division 3 of the EP Act.
discharge	has the same meaning given to that term under the EP Act.
HDPE	means High Density Polyethylene
emission	has the same meaning given to that term under the EP Act.
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure and/or equipment has been constructed and/or installed in accordance with the works approval.
EP Act	<i>Environmental Protection Act 1986 (WA)</i> .
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i> .
Noise Regulations	<i>Environmental Protection (Noise) Regulations 1997 (WA)</i> .
premises	the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map (Figure 1) in Schedule 1.
prescribed premises	has the same meaning given to that term under the EP Act.

Term	Definition
PVC	means polyvinyl chloride
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
works approval	refers to this document, which evidences the grant of the works approval by the CEO under section 54 of the EP Act, subject to the conditions.
works approval holder	refers to the occupier of the premises being the person to whom this works approval has been granted, as specified at the front of this works approval.

---

**END OF CONDITIONS**

## Schedule 1: Maps

### Premises map

The boundary of the prescribed premises is shown in the map below

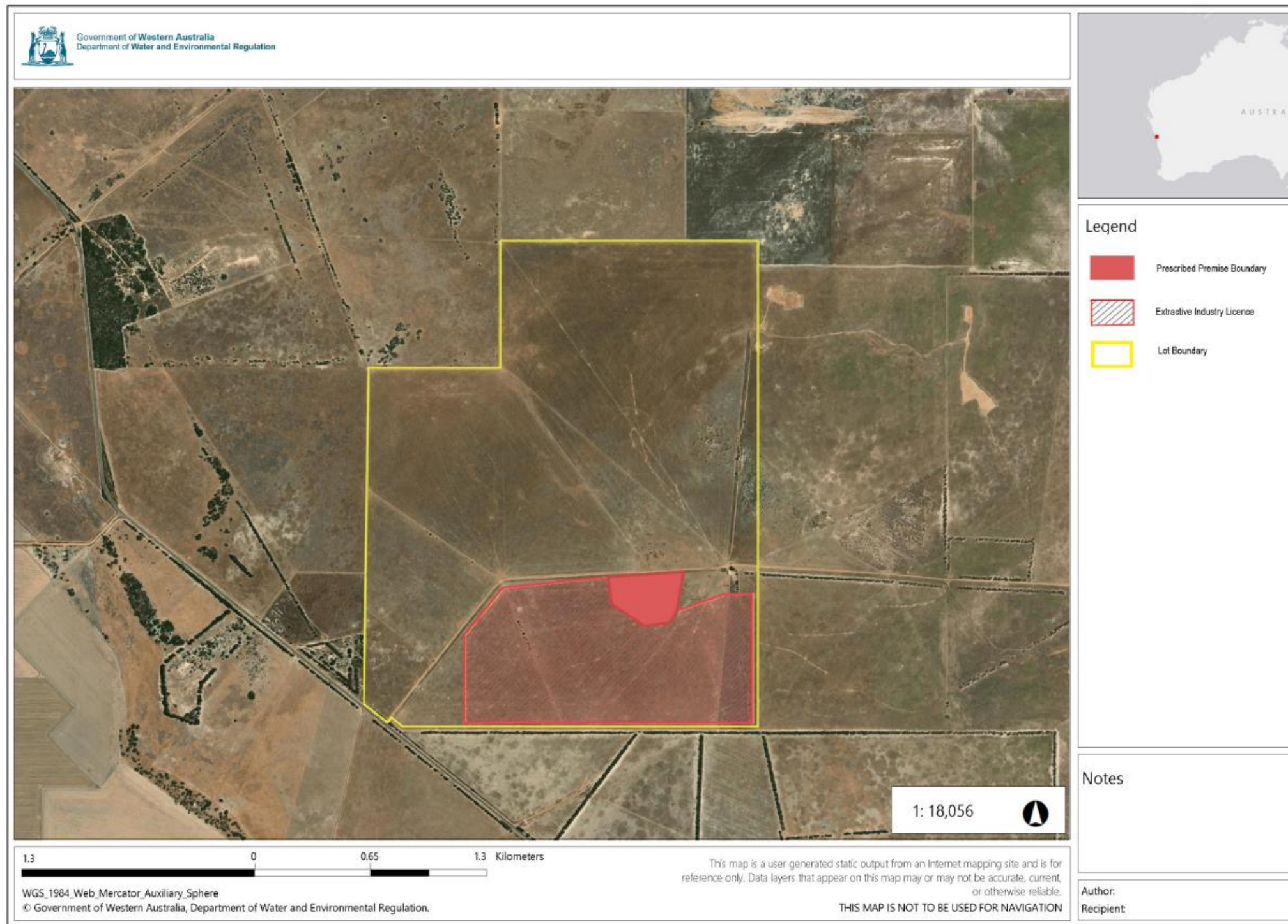


Figure 1: Map of the boundary of the prescribed premises.





## Schedule 2: Prescribed Premise boundary

Table 4: Prescribed premise boundary coordinates (GDA 1994)

Eastings	Northings
294968	6792095
294980	6791969
295147	6791874
295263	6791881
295303	6791938
295333	6792125