PULAU SEBAROK - SPC / SINGAPORE CLEANSEAS PTE LTD (OSE)

<table>
<thead>
<tr>
<th>JETTY</th>
<th>DEPTH A/S (m)</th>
<th>APPROACH DEPTH (m)</th>
<th>MAX LOA (m)</th>
<th>MAX DISPL. (tonnes)</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSEP1</td>
<td>13.6</td>
<td>10.5</td>
<td>150</td>
<td>20,000</td>
<td></td>
</tr>
<tr>
<td>OSE1A</td>
<td>17.1</td>
<td>16.6</td>
<td>297</td>
<td>160,000</td>
<td></td>
</tr>
<tr>
<td>OSE1B</td>
<td>9.6</td>
<td>16.6</td>
<td>132</td>
<td>10,000</td>
<td></td>
</tr>
<tr>
<td>OSE1C</td>
<td>17.5</td>
<td>16.6</td>
<td>108</td>
<td>8,000</td>
<td></td>
</tr>
</tbody>
</table>

**GENERAL INFORMATION**

1. Shallower depths of water exist behind the line of Jetty between the first dolphin south of the Jetty 1C and the southernmost dolphin.

2. No berthing of vessel above the maximum displacement.

3. Pilot Walkie Talkie Channel: P05
   Terminal contact number: +65-98280538

4. **OSEP1**
   a) Generally during the beginning of the flood stream at Main Strait – Off Sheel SBM Buoy Station, the tidal stream at jetty flows in a 345°T direction.
   b) A counter tidal stream occurs and flows in the opposite direction (-165°T) at around the time of the maximum flood prediction at Main Strait – Off Sheel SBM Buoy.
   c) The tidal stream would continue in the direction of 165°T till the time of the maximum ebb (Main Strait – Off Sheel SBM Buoy Prediction) when it would reverse its direction and flow in a direction of 345°T right through the next flood.
   d) The recommended approach to and from the jetty is via the channel south of Sebarok Beacon.

**PILOTAGE GUIDELINES**

1. **BERTHING (DAY)**
   a) **Flood Tide**
      No restriction
   b) **Ebb Tide**
(i) When no counter current exist - No restriction.
(ii) When counter current exist - Vessels’ displacement restricted to ≤25,000 tons

2 UNBERTHING (DAY)

Flood and Ebb Tide

No restriction

3 BERTHING (NIGHT)

a) OSEP1

No night movement.

b) OSE1B and OSE1C

Flood and Ebb Tide

No restriction

c) OSE1A

Flood Tide

Tidal strength ≤1.0 knot - No restriction
Tidal strength >1.0 knot - Vessel’s displacement restricted to ≤50,000 tons.

Ebb Tide

(i) When no counter current exists - Vessels’ displacement restricted to ≤50,000 tons
(ii) When counter current exists - Vessels’ displacement restricted to ≤25,000 tons.

4 UNBERTHING (NIGHT)

a) OSEP1

No night movement

b) OSE1A, OSE1B and OSE1C

Flood and Ebb Tide

No restriction
# TUG ASSIGNMENT GUIDELINES

Tug Recommendation For Berthing And Unberthing @: OSE1A, OSE1B, and OSE1C.

<table>
<thead>
<tr>
<th>LENGTH OVERALL OF VESSEL (LOA)</th>
<th>NUMBER OF TUGS</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 70 metres</td>
<td>Pilot, in consultation with the master, may order a tug from the tug company nominated by the ship’s agent</td>
<td></td>
</tr>
<tr>
<td>71 to 122 metres</td>
<td>1 small tug</td>
<td>A vessel equipped with a suitable bow/ster thruster(s), in good working condition, may dispense with the need for a tug in that position.</td>
</tr>
<tr>
<td>123 to 152 metres</td>
<td>2 small tugs</td>
<td></td>
</tr>
<tr>
<td>153 to 180 metres</td>
<td>2 medium tugs</td>
<td></td>
</tr>
<tr>
<td>181 to 220 metres</td>
<td>2 big tugs</td>
<td></td>
</tr>
<tr>
<td>221 to 280 metres</td>
<td>2 big tugs</td>
<td>Pilot, in consultation with the master, may order an additional tug from the tug company nominated by the ship’s agent</td>
</tr>
<tr>
<td>281 metres and above</td>
<td>4 big tugs</td>
<td></td>
</tr>
</tbody>
</table>