

PULAU SEBAROK - VOPAK TERMINAL (OSV)

JETTY	DEPTH A/S(m)	APPROACH DEPTH(m)	MAX LOA(m)	MAX DISPL. (tonnes)	REMARKS
OSV2	11.7	16.6	264	45,800	
OSV3	16.9	16.6	370	210,000	see para. 3 under General Information
OSV4	12.9	16.6	250	80,000	11.5m patch located 50m SE of southern most dolphin
OSV5	17.6	17.0	280	106,000	See General Information
OSV6	10.3	7.6	116	13,000	
OSV7	10.1	7.6	110	12,000	
OSV8	17.0	17.0	280	210,000	See General Information
OSV9	17.0	11.1	145	19,500	
OSV10	11.7	10.0	145	19,500	

GENERAL INFORMATION

1. No berthing of vessels above the maximum displacement.
2. Berthing of VLCC to be carried out only during daylight and on slack tide.
3. OSV3
A 12.0m patch is located 14m off the northernmost mooring dolphin. An additional tug may be considered when berthing deep draft vessels.
4. OSV5
 - a) The tidal predictions are based on Gusong Beacon Tidal Predictions.
 - b) Vessels should keep clear of the SBM mooring area (SBM buoy and floating hoses).
5. OSV8
 - a) Shallow waters of depths 11.1m lie 100m west of the transit of W. Jambi Beacon and the yellow dolphin marker at the western end of berth 9.
 - b) For berthing on a flood, it is recommended to turn and stem the flood tide off OSV5 first then followed by backing in to berth at OSV8

Note: Anchoring in the area is prohibited due to the Shell SBM pipeline.

6. OSV6 and 7

- a) Generally during the beginning of the flood stream at Gusong 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 Gusong.
- c) The tidal stream would continue in the direction of 165°T till the time of the maximum ebb (Gusong 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.

7. Pilot walkie talkie channel – 05

Terminal contact number: OSV2-8(Vopak)	+65-9127 3169
	+65-9126-7210
OSV2(SPC)	+65-6272 0611
OSV2(Clean sea)	+65-9828 0538

PILOTAGE GUIDELINES

1. BERTHING (DAY)

a) **Flood Tide**

- (i) OSV3, 4, 6, 7, 9 & 10
No restriction
- (ii) OSV5
LOA \leq 210m - No restriction
LOA >210 to 260m - Tidal strength \leq 2.0 kt
LOA >260m - Tidal strength \leq 1.0kt
- (iii) OSV8
LOA \leq 210m - No restriction
LOA >210 to 260m - Tidal strength \leq 1.5 kt
LOA >260m - Tidal strength \leq 1.0kt

b) **Ebb Tide**

- (i) OSV3, 4, 6, 7, 9 & 10
When no counter current exist - No restriction
When counter current exist - Vessel's displ. to be \leq 40,000GT
- (ii) OSV5
No restriction

- (iii) OSV8
 LOA \leq 210m - No restriction
 LOA >210 to 260m - Tidal strength \leq 2.0kt
 LOA >260m - Tidal strength \leq 1.0kt

2. UNBERTHING (DAY)

a) Flood Tide

- (i) OSV3, 4, 6, 7, 9 & 10
 No restriction
- (ii) OSV 5 & OSV 8
 Stbd side a/s:
 LOA \leq 210m - No restriction
 LOA >210 to 260m draft \leq 11.6m - Tidal strength \leq 1.5kt
 LOA >210m to 260m draft >11.6m - Tidal strength \leq 1.0kt
 LOA >260m - Tidal strength \leq 0.5kt

 Port side a/s - No restriction

b) Ebb Tide

- (i) OSV3, 4, 6, 7, 9 & 10
 No restriction
- (ii) OSV 5 & OSV 8
 Stbd side a/s - No restriction

 Port side a/s:
 LOA \leq 210m - No restriction
 LOA >210 to 260m draft \leq 11.6m - Tidal strength \leq 1.5kt
 LOA >210m to 260m draft >11.6m - Tidal strength \leq 1.0kt
 LOA >260m - Tidal strength \leq 0.5kt

3. BERTHING (NIGHT)

a) Flood Tide

- (i) OSV3 & 4
 Tidal strength \leq 1.0 kt - No restriction
 Tidal strength >1.0 kt - Vessel's displ. to be \leq 50,000 GT
- (ii) OSV5
 LOA \leq 210m - No restriction
 LOA >210 to 260m - Tidal strength \leq 2.0 kt
 LOA >260m - Tidal strength \leq 1.0kt
- (iii) OSV6, 7, 9 & 10
 No restriction

- (iv) OSV8
 LOA \leq 210m - No restriction
 LOA >210 to 260m - Tidal strength \leq 1.5 kt
 LOA >260m - Tidal strength \leq 1.0kt

b) **Ebb Tide**

- (i) OSV3 & 4
 When no counter current exist - No restriction
 When counter current exist - Vessel's displ. to be \leq 40,000GT
- (ii) OSV5, 6, 7, 9 & 10
 No restriction
- (iii) OSV8
 LOA \leq 210m - No restriction
 LOA >210 to 260m - Tidal strength \leq 2.0kt
 LOA >260m - Tidal strength \leq 1.0kt

4. UNBERTHING (NIGHT)

a) **Flood Tide**

- (i) OSV3, 4, 6, 7, 9 & 10
 No restriction
- (ii) OSV5 & OSV8
 Stbd side a/s:
 LOA \leq 210m - No restriction
 LOA >210 to 260m draft \leq 11.6m - Tidal strength \leq 1.5kt
 LOA >210m to 260m draft >11.6m - Tidal strength \leq 1.0kt
 LOA >260m - Tidal strength \leq 0.5kt
- OSV5
 Port side a/s - No restriction

b) **Ebb Tide**

- (i) OSV3, 4, 6, 7, 9 & 10
 No restriction
- (ii) OSV5 & OSV8
 Stbd side a/s - No restriction
- Port side a/s:
 LOA \leq 210m - No restriction
 LOA >210 to 260m draft \leq 11.6m - Tidal strength \leq 1.5kt
 LOA >210m to 260m draft >11.6m - Tidal strength \leq 1.0kt
 LOA >260m - Tidal strength \leq 0.5kt

TUG ASSIGNMENT GUIDELINES

The following guidelines are for assigning tugs to vessels berthing and unberthing at jetties at **OSV2** to **OSV9**:

LOA (m) of vessel	No. off Tugs	Remarks
Up to 70m	NA	If required, pilot to order tug from company nominated by the agent
71 to 122m	1 small tug	Nil
123 to 152m	2 small tugs	Vessel with reliable bow thruster can be assigned 1 tug
153 to 180m	2 medium tugs	Nil
181 to 220m	2 big tugs	Nil
221 to 280m	2 big tugs	Nil
280m and above	4 big tugs	Nil

The following guidelines are for assigning tugs to vessels berthing and unberthing at jetty **OSV10**:

LOA (m) of vessel	No. Of Tugs	Remarks
Up to 70m	1 small tug	Pilot may order additional tug during strong ebb stream
70m and above	2 small tug	Nil