



# Great Yarmouth Port Company

## **HARBOUR LIGHTS AND SIGNALS (2014)**

## OFFSHORE LIGHT

**Old Power Station Outfall:** 5½ cables NNW of the Outer Harbour entrance. The concrete structure is marked by a Flash Red Light 6 secs 5 metres 2 miles (FI R 6s 5m2M)

## OUTER HARBOUR LIGHTS AND SIGNALS

The entrance to the Outer Harbour is marked by two all round lateral lights mounted on light towers on each breakwater caisson with two further lateral marks at the caisson edges.

**North side:** Quick flash green, height 17 metres, 3 miles (Q.G. 17m3M) (on green and white light tower)  
Group Flash 2 green, height 5 metres, 3 miles (FI 2 G, 5m6M) (on edge of caisson)

**South side:** Quick flash red, height 17 metres, 3 miles (Q.R. 17m3M) (on red and white light tower)  
Group Flash 2 red, height 5 metres, 3 miles (FI 2 R, 5m6M) (on edge of caisson)

## RIVER PORT LIGHTS AND SIGNALS

### Entrance Lights

South Side: Erected on the red brick building, 27 metres from the eastern extremity of Gorleston Pier, at a height of 11 metres, a Flashing Red Light every 3 seconds (2500 CP) arc of visibility 105° from 235° through 270° to 350° from seaward. (FI R. 3s 11m6M)

North Side: Erected on the North Training wall 152 metres northeast of the Gorleston Pier entrance light, at a height of 8 metres a Quick Flash Green Light arc of visibility 098° from 176° (T) through 270° (T) to 078° from seaward (Q.G. 8m6M).

### Gorleston Pier and Brush Bend Lights:

At the eastern extremity of Gorleston Pier two all round Fixed Red Lights vertically disposed (2 F.R. (vert)) 2 metres apart, with 6 additional sets of lights, of the same characteristic, established near to and along the northern edge of the Pier, up to and around Brush Bend.

### North Training Wall and Skeleton Works Lights and Marks

The extreme end of the Training Wall (near to the start of the Outer Harbour south breakwater) is highlighted with illuminated white painted panels.

Along the Training Wall and skeleton works there are five (5) poles each displaying two all round Fixed Green Lights vertically disposed (2 F.G. (vert) ) the outermost light is opposite the end of Gorleston Pier and the innermost light marks the end of the Skeleton Works. The Training Wall and Skeleton Works are downlit throughout their length.

### Fog Signal

During periods of restricted visibility a horn fog signal is sounded from the tower on the North Wall consisting of:

3 Blasts of 2 seconds every minute (Horn (3) 60s), character:-	
Blast 2 secs	Silent 2 secs
Blast 2 secs	Silent 2 secs
Blast 2 secs	Silent 50 secs

### **HAVEN BRIDGE LIGHTS**

Western Buttress:- On both the nth and sth ends two Fixed Red Lights vertically disposed (2 F.R. (vert)).

Eastern Buttress:- On both the nth and sth ends two Fixed Green Lights vertically disposed (2 F.G. (vert)).

Centre Span:- On both the north and south sides a Fixed Red Light (F.R.).

### **BREYDON BRIDGE LIGHTS AND MARKS**

Southern Buttress:- On both the upriver and downriver ends two Fixed Red Lights vertically disposed (2 F.R. (vert))

Southern Dolphins:- On both the upriver and downriver dolphins a Flash Red Light 6 secs (FI R 6s)

Northern Buttress:- On both the upriver and downriver ends two Fixed Green Lights vertically disposed (2 F.G. (vert)).

Northern Dolphins:- On both the upriver and downriver dolphins a Flash Green Light 6 secs (FI G 6s)

Centre Span:- On both the upriver and downriver sides a Fixed Amber Light (F.Am).

(Note: When the Bridge is lifted above a 45° angle, an aircraft warning light is exhibited on each side near the end of the lifting span showing a Fixed Red Light (F.R.)

### **Fog Signal**

During periods of restricted visibility a horn fog signal is sounded from the bridge consisting of two blasts every 30 seconds (2Bl.ev30s).

### **BREYDON BRIDGE LAY-BY JETTY LIGHTS**

On both the upstream and downstream ends a Flashing Red Light 6 seconds (FI R 6s)

### **PORT TRAFFIC SIGNALS**

#### **Outer Harbour**

Shown from a tower on the north side of the harbour at the eastern extremity of the North Terminal 3 vertical lights 2 metres apart, height 10 metres:

To seaward with an arc of 216° from 144° thru 270° to 000°, visible 2 miles by night, 1 mile by day.

3 fixed Red	Vessels not to approach the port.
3 fixed Green, White, Green	Vessels may proceed inward only when specific advice to do so has been received.

Into harbour with an arc of 090° from 000° thru 045° to 090°, visible ½ mile by night and day.

3 fixed Red	Vessels not to proceed outwards.
3 fixed Green, White, Green	Vessels may proceed outwards only when specific advice to do so has been received.

Note: In the event of an emergency the above lights will be replaced by 3 vertical lights flashing red every 2 seconds. If the above lights fail, vessels will be advised by Yarmouth Radio on VHF Channel 12.

### **River Port**

To seaward shown from the tower on the Eastern end of the North Wall, 3 vertical lights 2 metres apart, height 11 metres: arc of 180° from 235° through west to 055°:

- |   |  |
|---|--|
| 3 Occulting Red 12 secs                 | Vessels not to approach the port.  |
| 3 Occulting Green, White, Green 12 secs | Vessels may proceed inward only when having received specific advice to do so. |
| 3 Occulting Green 12 secs               | Vessels may proceed if safe. One way traffic.                                  |
| 3 Flashing red 2 secs                   | Emergency port closed.   |

Showing upriver from a tower in Brush Bend 3 vertical lights 2 metres apart, height 7 metres, arc 19° from 187° through south to 168°:

- |   |   |
|---|---|
| 3 Occulting Red 12 secs                 | Vessels not to approach Brush Bend  |
| 3 Occulting Green, White, Green 12 secs | Vessels may proceed outward only when having received specific advice to do so. |
| 3 Occulting Green 12 secs               | Vessels may proceed if safe. One way traffic.                                   |
| 3 Flashing red 2 secs                   | Emergency port closed.  |

Note: When the red signals are showing from Brush Bend, outward bound vessels from the River shall not pass the sign 400 metres north of Brush Bend, this is just north of the RNLI lifeboat station.

In the event of an emergency the above lights will be replaced by 3 vertical lights flashing red every 2 seconds.

If the above lights fail, vessels will be advised by Yarmouth Radio on VHF Channel 12.

### **Haven and Breydon Bridges**

Both bridges display occasional traffic signals consisting of 3 fixed vertical red lights to indicate passage through the lifting section of the bridge is prohibited. These signals are displayed in both directions shortly before a bridge lift is to occur; when the lifting span is opened one set is extinguished to give clearance for vessels from that side to proceed. If the lights fail vessels will be advised by VHF radio on Channel 12.

**Haven Bridge:** for inbound vessels the signal is displayed from the eastern buttress of the bridge. For outbound vessels the signal is displayed from the western buttress.

**Breydon Bridge:** for inbound vessels the signal is displayed on the southern buttress of the bridge. For outbound vessels the signal is displayed from the top of the bridge control room.