



Oil Companies International Marine Forum

MTIS Programme

Terminal TPQ

Terminal TPQ: REPSOL BUTANO GIJON

ReportName e25c6252-3480-4b62-955d-e3a419929ee0

Terminal Name: REPSOL BUTANO GIJON

Terminal Port: GIJON

Terminal Port Authority: AUTORIDAD PORTUARIA

Country: Spain

19 September 2017

1 General

1.1	Date this TPQ document was completed/updated	19 September 2017
1.2	Specify units used	Metres and Metric Tonnes

2 Port Details

2.1	Port Name	GIJON
2.2	UN LOCODE	ESGIJ
2.3	Country	Spain
2.4	Latitude and Longitude of Port	
1	Latitude	433358 North
2	Longitude	0054053 West
2.5	Is this location affected by ice?	No
2.6	Name of port authority	AUTORIDAD PORTUARIA
2.7	Port authority contact name and title	PABLO CRABIFFOSSE - DIRECTOR DE SEGURIDAD
2.8	Port authority full style contact address	
1	Address Line 1	PUERTO DEL MUSEL - Edificio de Servicios Múltiples, El Musel s/n, 33212 Gijón
2	Address Line 2	PUERTO DEL MUSEL - Edificio de Servicios Múltiples, El Musel s/n, 33212 Gijón
3	Address Line 3	PUERTO DEL MUSEL - Edificio de Servicios Múltiples, El Musel s/n, 33212 Gijón
4	City	GIJON
5	County/State	ASTURIAS
6	Postcode/Zipcode	33212
7	Phone	985 17 96 77
8	Fax	985 17 96 89
9	Email	pcrabiffosse@puertogijon.es
10	Website	www.puertogijon.es

3 Terminal Details

3.1	Terminal name	REPSOL BUTANO GIJON
3.2	Terminal owner	AUTORIDAD PORTUARIA
3.2	Number of berths included in this TPQ	1
3.3	Name of first point of contact for terminal owner	PABLO CRABIFFOSSE - DIRECTOR DE SEGURIDAD
3.4	Terminal owner full style contact address	
1	Address Line 1	PUERTO DEL MUSEL - Edificio de Servicios Múltiples, El Musel s/n, 33212 Gijón

2	Address Line 2	PUERTO DEL MUSEL - Edificio de Servicios Múltiples, El Musel s/n, 33212 Gijón
3	Address Line 3	PUERTO DEL MUSEL - Edificio de Servicios Múltiples, El Musel s/n, 33212 Gijón
4	City	GIJON
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6	Postcode/Zipcode	33212
7	Phone	985 17 96 77
8	Fax	985 17 96 89
9	Email	pcrabiffosse@puertogijon.es
10	Website	www.puertogijon.es

3.5 Terminal operator, if different from owner REPSOL BUTANO

3.6 Name of first point of contact for terminal operator MANUEL LOPEZ

3.7 Terminal operator full style contact address

1	Address Line 1	CAMPA DE TORRRES 3365
2	Address Line 2	CAMPA DE TORRRES 3365
3	Address Line 3	CAMPA DE TORRRES 3365
4	City	GIJON
5	County/State	ASTURIAS
6	Postcode/Zipcode	33290
7	Phone	985308070
8	Fax	985308200
9	Email	malopeza@repsol.com
10	Website	www.repsol.com

4 TPQ Accountability

4.1 Name and title of person completing this TPQ Manuel López

4.2 Full style contact details of person completing this TPQ

1	Address Line 1	PUERTO DEL MUSEL - Edificio de Servicios Múltiples, El Musel s/n, 33212 Gijón
2	Address Line 2	n/a
3	Address Line 3	n/a
4	City	GIJON
5	County/State	ASTURIAS
6	Postcode/Zipcode	33212
7	Phone	985 17 96 77
8	Fax	985 17 96 89
9	Email	pcrabiffosse@puertogijon.es

5 Port Facility Security Officer Details

5.1 Does the port facility comply with the ISPS code?

1	Yes
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2	Port Facility Security Officer contact name	Blas Carrera
5.2	Port Facility Security Officer full style contact details	
1	Address Line 1	PUERTO DEL MUSEL - Edificio de Servicios Múltiples, El Musel s/n, 33212 Gijón
2	Address Line 2	n/a
3	Address Line 3	n/a
4	City	GIJON
5	County/State	ASTURIAS
6	Postcode/Zipcode	33212
7	Phone	985 17 96 77
8	Fax	985 17 96 89
9	Email	bcarrera@puertogijon.es

6 Operational Integrity Details

6.1	State details of any pre-arrival/operational clearance formalities for vessels	We confirm in all the cases the Vetting approval.
6.2	Has the terminal completed an assessment using the standard industry process?	
1		No
2	If 'Yes', state date completed	
6.3	Additional comments or information	



Oil Companies International Marine Forum

MTIS Programme

Berth TPQ

Berth TPQ: NUEVO CONTRADIQUE EXTERIOR TERMINAL GLP

ReportName b8354aac-b4b9-4f2d-81ff-44d29ff9b46f

Terminal Name: REPSOL BUTANO GIJON

Terminal Port: GIJON

Terminal Port Authority: AUTORIDAD PORTUARIA

Country: Spain

**Berth Name: NUEVO CONTRADIQUE EXTERIOR TERMINAL
GLP**

1 Berth General

1.1	Berth name or number	NUEVO CONTRADIQUE EXTERIOR TERMINAL GLP
1.2	Berth type	
1		Wharf or Quay
2	If 'Other' please specify	
1.3	Terrestrial co-ordinates of manifold centreline	
1	Latitude	433359 North
2	Longitude	0054054 West
1.4	Berth users for liquid and gas cargoes	Repsol Butano
1.5	Has a structural survey of the berth been undertaken, including its underwater structure?	
1		No
2	If 'Yes', state date of last survey	
1.6	Has an engineering (mooring and fendering) analysis of berth been undertaken?	
1		No
2	If 'Yes', state date of last analysis	
1.7	Additional comments or information	

2 Berth Approaches

2.1	Is pilotage compulsory?	
1		Yes
2	If 'Yes', state if any vessels are exempted	No exemptions
2.2	State distance from pilot station(s) to berth	6,6 kms
2.3	Is a waiting anchorage available?	
1		Yes
3	If 'Yes', state distance from waiting anchorage to berth	5.6 kms
2.4	Controlling depth of water for transit to and from berth	
1	Water depth	18.25 Metres
2	State datum used	Chart Datum (CD)
3	If 'Other' please specify datum	
2.5	Date of latest survey from which transit depth has been determined	01 July 2011
2.6	Date next survey is due	01 January 2020
2.7	State Maximum Tidal Range in berth approaches	5.41
2.8	Is laden transit to and/or from the berth conducted using the tide?	
1		No
2	If 'Yes', state optimum transit window (i.e. at High Water, HW +/- 1 hr)	
2.9	State details of any specific berthing and/or unberthing restrictions	None

2.10	Minimum under keel clearance (UKC) in berth approaches	
1	Value	4.00 Meters
2	Percentage	22.00 Depth of water
3	Specify other UKC criterion where applicable	None
2.11	Absolute maximum draught in berth approaches, if applicable	14.00
2.12	State minimum vertical clearance of any bridges/power cables/vertical obstructions	
1	Vertical clearance	999.00 Metres
2	State datum used	Chart Datum (CD)
3	If 'Other' specify other datum used	
4	Further details	Not applicable
2.13	Does the port require tankers and gas carriers to be escorted by tugs?	
1		Yes
2	If 'Yes', state whether Active or Passive escort is employed and the maximum towline force that the tug is able to generate	Passive
2.14	Additional comments or information	
3 Water Depth Alongside		
3.1	Minimum controlled water depth alongside berth at chart datum	
1	Water depth	16.00 Metres
2	State datum used	Other (Specify)
3	If 'Other' specify datum	Port Cero
3.2	Date of latest survey from which alongside depth has been determined	01 July 2011
3.3	Date next survey is due	01 July 2020
3.4	Minimum static under keel clearance (UKC) alongside berth	
1	Value	2.00 Meters
2	Percentage	12.50 Vessel static draft
3	Specify other UKC criterion where applicable	Not applicable
3.5	State range of water densities at berth	
1	From	1025.00
2	To	1025.00
3	Further details	None
3.6	Type of bottom alongside berth	
1		Rock
2	If 'Other' please specify	
3.7	Absolute maximum draft alongside, if applicable	14.00
3.8	State maximum tidal range at berth, if applicable	5.41
3.9	Are 'over-the-tide' cargo handling operations permitted at the berth?	No
3.10	Does the berth location experience water-level anomalies?	

1 No

2 Provide details

3.11 Additional comments or information

4 Limiting Vessel Dimensions

4.1 Summer deadweight

1 TPQ NA Selector No restrictions

2 Minimum

3 Maximum

4.2 Berthing displacement

1 TPQ NA Selector No restrictions

2 Minimum

3 Maximum

4.3 Alongside displacement

1 TPQ NA Selector No restrictions

2 Minimum

3 Maximum

4.4 State any deadweight/displacement exceptions

1 TPQ NA Selector No restrictions

2

4.5 Cubic capacity (gas carriers)

1 TPQ NA Selector No restrictions

2 Minimum

3 Maximum

4.6 Length over all (LOA)

1 TPQ NA Selector No restrictions

2 Minimum

3 Maximum

4.7 Beam

1 TPQ NA Selector

2 Minimum 0.00 Metres

3 Maximum 250.00 Metres

4.8 Minimum parallel body length (PBL)

1 TPQ NA Selector No restrictions

2

4.9 Minimum PBL forward of manifold

1 TPQ NA Selector No restrictions

2

4.10 Minimum PBL aft of manifold

1 TPQ NA Selector No restrictions

2

4.11	Bow to centre of manifold (BCM)	
1	TPQ NA Selector	No restrictions
2	Minimum	
3	Maximum	

4.12	Stern to centre of manifold (SCM)	
1	TPQ NA Selector	No restrictions
2	Minimum	
3	Maximum	

4.13	Freeboard	
1	TPQ NA Selector	No restrictions
2	Minimum	
3	Maximum	

4.14	Manifold height above water	
1	TPQ NA Selector	Not applicable
2	Minimum	
3	Maximum	

4.15	Manifold to shipside rail distance	
1	TPQ NA Selector	Not applicable
2	Minimum	
3	Maximum	

4.16	Height of manifold above deck or drip tray	
1	TPQ NA Selector	Not applicable
2	Minimum	
3	Maximum	
4	Specify whether height is from the deck or the drip tray	

4.17	Manifold spacing	
1	TPQ NA Selector	Not applicable
2	Minimum	
3	Maximum	

4.18	Maximum air draft alongside	
1	TPQ NA Selector	Not applicable
2		

4.19	Vessel's minimum derrick/crane Safe Working Load (SWL)	
1	TPQ NA Selector	Not applicable
2		

4.20 Additional comments or information

5 Mooring and Berthing Information

5.1 State availability and specifications of tugs and mooring craft required for berthing and/or unberthing.	Nombre / Name Propietario / Owner Energía que emplea/ Engine type Potencia(H.P.)/ H.P Eslora(m.)/ LOA Manga(m.)/ Beam Puntal(m.)/ Deph Año/ Built
	<hr/> Torres Remolcadores Gijoneses, S.A. Gasóleo 2.028 23,53 7,27 3,15 1970 Arbeyal Remolcadores Gijoneses, S.A. Gasóleo 1.555 26,60 7,70 3,50 1979 Nalón Remolcadores Gijoneses, S.A. Gasóleo 2.510 32,03 8,84 4,88 1970 Sella Remolcadores Gijoneses, S.A. Gasóleo 2.724 28,85 8,70 4,80 1992 Navía Remolcadores Gijoneses, S.A. Gasóleo 4.000 30,00 9,85 5,40 1998 Cares Remolcadores Gijoneses, S.A. Gasóleo 4.130 30,00 9,85 5,40 2002 Dobra Remolcadores Gijoneses, S.A. Gasóleo 2.230 24,00 8,50 3,80 2003 Caudal Remolcadores Gijoneses, S.A. Gasóleo 3.150 24,40 9,15 3,05 2006 Cubia Remolcadores Gijoneses,S.A. Gasóleo 3.150 24,40 9,15 3,05 2006
5.2 Are ship's or tug's lines used?	
1 Ship/Tug	Tug's Lines
2 Comments	None
5.3 Type of fenders installed at berth	
1	Other
2 If 'Other' please specify	Hollow Type
5.4 State orientation of vessel alongside berth	Port Side To
5.5 At buoy moorings, state which side hose is normally connected	
1	Not applicable
2 If 'Other' please specify	
5.6 Minimum mooring arrangement	Depends on vessel size
5.7 Describe any additional mooring requirements	None
5.8 Are there any restrictions using wire mooring ropes?	
1	Yes

2	If 'yes', provide details of restrictions in wire moorings as part of the mooring pattern	Wire is not acceptable, rope is required
5.9	Are there any restrictions using synthetic mooring ropes?	
1		No
2	If 'yes'; provide details of restrictions in synthetic mooring ropes as part of the mooring pattern	
5.10	Are there any restrictions on using high modulus synthetic mooring ropes?	
1		No
2	If 'yes' provide details	
5.11	Details of any specific mooring equipment required for any vessel utilising the berth	None
5.12	Does the terminal require the vessel to rig Emergency Towing Off Pennants (ETOPs) while at the berth?	
1		Yes
2	If 'Yes', provide details of particular requirements regarding ETOPs.	As per OCIMF recomendations
5.13	Details of any shore-provided mooring equipment	n/a
5.14	Are berthing aids provided?	
1		No
2	If 'Yes', state type of aids	
5.15	State allowable speed of approach if applicable	
1		As per pilots advise
1		Knots
5.16	Is a mooring tension monitor fitted?	No
5.17	Are mooring hook quick release arrangements provided?	Yes
5.18	Chain stopper requirements	
1	Applicable	No
2		
5.19	Largest ship handled at berth to date	Unknown
5.20	Additional comments or information	None
6	Berth Equipment and Facilities	
6.1	Number, type and size of cargo transfer connections	1, ANSI 300#, 8" . Flexible Hoses 6" ANSI 300#
6.2	List grades handled at berth	Commercial LPG
2	State specific grades handled at berth (e.g. Ekofisk crude oil, Unleaded Gasoline, Jet A1).	Butane, Propane
6.3	State transfer rate restrictions and back pressure for each cargo grade	280tm/h, 15-18 kg/cm2
6.4	Are transfer connections fitted with insulation flanges?	
1		No
2	Provide details	
6.5	State storage type for LPG	Refrigerated

6.6	Describe any terminal-specific requirements for vessel manifolds	Temperature =>0 degrees centrigates
6.7	Is berth fitted with a vapour manifold connection?	
1		No
2	If 'Yes' state type and size of vapour connection	
3	State cargo types for which it is required to use vapour connection (if applicable)	
6.8	State throughput rate(s) of vapour recovery system	NA
6.9	Are Powered Emergency Release Couplings (PERCS) installed to the cargo transfer arms?	
1		Yes
2	Supply details	Marine Arm type FMC reference RA 8-2885
6.10	Does the berth have an emergency shutdown (ESD) capability that can be activated by the ship?	
1		No
2	If 'yes' provide details	Electric wire
6.11	Describe access arrangements between ship and shore.	ship ladder
6.12	Does the berth have pollution response equipment?	
1		No
2	If 'yes' provide details	
6.13	Additional comments or information	n/a

7 Berth Operations

7.1	What is the primary and backup communication system between ship and terminal during cargo operations?	Local radio. All the time(Load an Unload) an Operator is present in the Terminal during the 24h.
7.2	Is it required that terminal or shore representatives stay on board during operations?	
1		No
2	If 'Yes', state requirements including number of persons and their roles	
7.3	Specify weather/environmental restrictions for stopping cargo operations, disconnecting hoses or arms and vacating the berth?	disconnecting hard arms wind>28m/seg
7.4	Are there any restrictions regarding tank cleaning/Crude Oil Washing (COW) operations at the berth?	
1		No
2	If 'Yes' provide full details of these restrictions	
7.5	Are there any berth specific requirements regarding tanker inerting procedures?	
1		No
2	If 'Yes', state requirements	
7.6	Is there a temperature limit for cargo handled?	
1		Yes
2	If 'Yes', state temperature limits	Temperatura =>0 degrees centigrade

7.7	Is it permitted for vessels to undertake double-banked operations alongside the berth?	
1		No
2	If 'Yes', state limiting criteria	
7.8	Is vessel required to pump water ashore or receive water on board for line clearance purposes?	
1		No
2	If 'Yes', provide operational details	
7.9	Can the berth be used for Ship-to-Ship transfers using terminal facilities?	
1		No
2	Provide details	
7.10	State details regarding any environmental restrictions applicable at the berth	As per usual codes and international enviromental laws
7.11	Are there any restrictions regarding Hydrogen Sulphide content in Cargo Tanks?	
1		No
2	If 'Yes', state restriction	
7.12	Are there any restrictions regarding Mercaptan content in Cargo Tanks?	
1		No
2	If 'Yes', state restriction	
7.13	Are there any restrictions on handling stores when a ship is moored alongside berth?	
1		No
2	If 'Yes', state restriction	
7.14	Additional comments or information	

8 Available Services

8.1	Are Fuel Oil bunkers available?	
1		Yes
2	If 'Yes', state how delivered (e.g. Ex-Pipe, barge, truck)	By others, exbarge, truck
8.2	Are Diesel Oil bunkers available?	
1		Yes
2	If 'Yes', state how delivered (e.g. Ex-Pipe, barge, truck)	By others, exbarge, truck
8.3	Are Intermediate Oil bunkers available?	
1		No
2	If 'Yes', state how delivered (e.g. Ex-Pipe, barge, truck)	
8.4	Is fresh water available?	
1		Yes
2	If 'Yes', state how delivered (e.g. Ex-Pipe, barge, truck)	Ex-pipe
8.5	Are slop reception facilities available?	
1		No
2	If 'Yes', state how received (e.g. Ex-Pipe, barge, truck)	

3	State capacity of slop reception facilities (if applicable)	
4	State any specific exclusions for slop receipts (e.g. chemicals, detergents, cleaning agents)	

8.6	Are dirty ballast reception facilities available?	
1		No
2	If 'Yes', state how received	
3	State capacity of dirty ballast reception facilities	

8.7	Are engine room sludge and bilge reception facilities available?	
1		No
2	If 'Yes', state how received (e.g. Ex-pipe, barge, truck)	

8.8	Are garbage reception facilities available at the berth.	
1		Yes
2	If 'Yes', provide details	Provided by Port Authorities

8.9	Additional comments or information	
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9 Berth Low Temperature Impact

9.1	What is the typical range of temperatures the terminal operates in during a winter season?	
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9.2	Which months of the year can ice be expected?	
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9.3	Specify any terminal requirements for vessel Ice Class notation and winterisation capabilities	
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9.4	State any limitations for cargo operations in sub-zero temperatures	
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9.5	State the minimum allowable ambient temperature for safe cargo operations	
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9.6	State the minimum temperature of cargoes handled	
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9.7	State the minimum temperature for the emergency shut-down system to operate safely	
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9.8	Does the terminal have its own resources for conducting icebreaker escort	
1		
2	If 'Yes' provide details and specify how they can be requested	

9.9	Are there icebreakers available to operate in the terminal area	
1		
2	Specify details (e.g. Name/IMO Nr/GRT/Power/Ice Class)	

9.10	Does the terminal have ice-capable tugs and support craft	
1		
2	Specify details (e.g. Name/IMO Nr/GRT/Power/Ice Class)	

9.11	Does the terminal have specific requirements for the vessel speed and manoeuvrability characteristics in ice?	
1		
2	If 'Yes', provide details	

9.12	Does the terminal provide its own ice navigator/advisor?	
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- 1
- 2 If 'Yes', provide details of how the service may be requested

9.13 Additional comments or information

10 Supplementary Information

10.1 Berth transparency Solid

10.2 Specify datum used for height and depth measurements in this section

- 1 Chart Datum (CD)
- 2 If 'Other' please specify other

10.3 Berth height above datum 7.25

10.4 Berth heading 162 degrees

10.5 Width of the channel adjacent to the berth

10.6 Position of mooring bollards and hooks

Hook/Bollard ID Number and Type	'x' dist to Target Line (m)	'y' dist to Fender Face (m)	Height (m)	SWL (tonnes)
G2, QR HOOK	107.59	53.58	0.20	100.00
G1, QR HOOK	14257.00	5156.00	0.20	100.00
B1 BOLLARD	65.69	2.00	0.20	100.00
B2 BOLLARD	43.74	2.00	0.20	100.00
B3 BOLLARD	21.51	2.00	0.20	100.00
B4 BOLLARD	5.19	2.00	0.20	100.00
B5 BOLLARD	-9.90	2.00	0.20	100.00
B6 BOLLARD	-31.71	2.00	0.20	100.00
B7 BOLLARD	-53.99	2.00	0.20	100.00
G3 QR HOOK	-94.39	53.76	0.20	100.00
G4 QR HOOK	-131.24	53.77	0.20	100.00

10.7 Position of mooring buoys

10.8 Fender Location

Fender ID Number	'x' Dist to Target Line (m)	Elevation of Fenders (m)	Fender Width (m)	Fender Height (m)	Fender Contact Area (m2)
R1	65.69	-1.35	2.00	0.10	0.20
AA2A	43.74	-3.64	2.00	0.10	0.20
AA2B	43.74	-6.23	2.00	0.10	0.20
A3	32.88	-1.35	2.00	0.10	0.20
AA4A	21.51	-3.64	2.00	0.10	0.20
AA4B	21.51	-6.23	2.00	0.10	0.20
A5	5.19	-1.35	2.00	0.10	0.20
AA6A	-9.90	-3.64	2.00	0.10	0.20
AA7	-25.03	-1.35	2.00	0.10	0.20
AA8A	-40.80	-3.64	2.00	0.10	0.20

AA8B	-40.80	-6.23	2.00	0.10	0.20
A9	-53.99	-1.35	2.00	0.10	0.20

10.9 Fender Reaction Data

10.10 Fender friction coefficient (μ)

10.11 State identity and horizontal position of loading arms

10.12 State loading arm operating limits

10.13 Additional comments or information