

Index	Remarks
1 Regasification Plants	The maintenance dates that prevent loading / unloading, significantly limit the
1.1. Bilbao Plant - BBG	emission capacity of the Plant, or impose important restrictions on
1.2. Mugardos Plant - REGANOSA	Transportation, must be made viable in the previous monthly schedule.
1.3. Sagunto Plant - SAGGAS	
1.4. Barcelona Plant - ENAGAS	In general, operations that cause significant restrictions on the capacity of
1.5. Cartagena Plant - ENAGAS	infrastructures to enter the System or Transportation during winter are not viable
1.6. Huelva Plant - ENAGAS	(November 1 to March 31); in these cases it is necessary that they be viable in
	the previous monthly programming and also in the dates prior to its realization.
2 Transport pipelines - Distribution networks	
2.1. Transport Pipelines	Maintenances or restrictions involving pipelines or Infrastructures for gas entry
2.2. Distribution networks	into the system, located in the same area of influence, won't simultaneously be
2.3. Compression Stations	programmed.
2.4. In Line Inspectión (ILI)	
	In transport infrastructures operations that cause gas pipeline interception and
3 Underground Storages	also In Line Inspections, infrastructures for gas entry into the system may have
3.1. UGS Gaviota 3.2. UGS Serrablo	to adjust their flows to the specific needs of these operations.
3.3. UGS Yela	
3.4. UGS Marismas	The user term refers indistinctly to the shipper, the direct customer in the market
5.4. 005 Marshas	or the final customer. The condition of affection to users will be reviewed each
4 Gas fields and Biomethane	month in the monthly update of this document.
4.1. Viura field	
4.2. Poseidón field	
4.3. Valdemingómez Biomethane	
5 International Connections.	
5.1. CI Tarifa	
5.2. CI Almería	
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5.5. CI Badajoz	
5.6. CI Tuy	

Direction Dispatching



1.- REGASIFICATION PLANTS

1.1. BILBAO PLANT – BBG

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 3rd to 14th February	Vaporizers coating maintenance	No emission limitations. It will be coordinated to prioritize scheduled productions. SCV as back-up. Completed.	No	162
20 th May	Works on the CCGN BBE seawater system.	From 08:30 a.m. to 2:30 p.m., emission of P. BBG with VCS (200.000 Nm3/h). Completed.	No	092
From 1st to 12th June	High voltage system revision	from 1 to 7/06, without restriction. From 8 to 12/06, maximum production of 600.000 Nm3/h. Conditioned that it does not affect the regasifications necessary for the logistics of methane ships. Completed	No	155
From 20th to 24th, and from 27th to 30th July	Maintenance and update of EM lines	Maximum emission to RBG 540.000 Nm3/h. Completed.	No	047
Throughout the year 4 hours	Annual preventive review of the relicuador	Maximum emission 400.000 Nm3/h. Completed.	No	156
Throughout the year	Preventive maintenance of unloading arms	No emission limitations. It will be coordinated to prioritize loading or unloading scheduled operations of vessels. Completed.	No	157
Throughout the year	Preventive maintenance of boil-off compressors GB-103B and GB-103C	No emission limitations. It will be coordinated to prioritize loading or unloading scheduled operations of vessels. Completed.	No	158



1.- REGASIFICATION PLANTS

1.1. BILBAO PLANT – BBG

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
Throughout the year	Preventive maintenance at LNG trucks loading dock	No emission limitations. It will be coordinated to prioritize the LNG trucks operations. Completed.	No	159
Throughout the year	Preventive maintenance primary pumps	No emission limitations. Completed.	No	160
Throughout the year	Secondary maintenance preventive pumps	No emission limitations. Completed.	No	161



1.- REGASIFICATION PLANTS

1.2. MUGARDOS PLANT – REGANOSA

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
22th January	Maintenance at LNG trucks loading dock	From 08:30 a.m. to 08:00 p.m.; during this time one of the two bays will stand inoperative. Completed.	No	029
From 20th January to 19th February	UM I013 Guitiriz. Replacement turbine with MUS L-B	Line B of the UM unavailable (L-A available). Completed.	No	030
26 th February and 04th March	Arms maintenance at LNG trucks loading dock	From 06:00 a.m. to 3:00 p.m.; during this time one of the two bays will stand inoperative. Completed.	No	245
10th March	Remove pipe NG1103	Plant Stop from 07:00 a.m. to 07:00 p.m. Completed.	No	241
24th March	Pipe installation NG1103	Plant Stop from 07:00 a.m. to 07:00 p.m. Completed.	No	242
From 17th February to 30th March	UM I015 Abegondo. Replacement turbine with MUS L-A and L-B	One line unavailable and the other available during work. Completed.	No	031
From 17th February to 14th May	UM I015 Abegondo. Replacement turbine with MUS L-A and L-B	The current chromatograph is still in service, although it needs to be replaced. Completed.	No	073
19th May	Inspection of LNG trucks loading dock scales	Without restriction. Completed.	Yes	247



1.- REGASIFICATION PLANTS

1.2. MUGARDOS PLANT – REGANOSA

Maintenance	Limitations	Users Affection	Refer. Numb.
Annual arms maintenance at LNG trucks loading dock	From 06:00 a.m. to 03:00 p.m.; during this time one of the two bays will stand inoperative. Completed.	No	249
Seawater system review Safety ties test Maintenance of power supply line	Plant stops for 12 hours_day. Completed.	Yes	251
Arms maintenance at LNG trucks loading dock	From 07:00 a.m. to 07:00 p.m.; during this time one of the two bays will stand inoperative. Completed.	No	252
Calibration of LNG trucks loading dock scales	From 08:30 a.m. to 3:00 p.m.; during this time the two bays will stand inoperative. Completed	No	253
Maintenance at LNG trucks loading dock	From 08:00 a.m. to 4:00 p.m.; during this time the two bays will stand inoperative. Completed.	No	250
Arms maintenance at LNG trucks loading dock	From 06:00 a.m. to 3:00 p.m.; during this time one of the two bays will stand inoperative. Completed.	No	254
Arms maintenance at LNG trucks loading dock	One of the two bays will stand inoperative: 12/17, from 9:30 a.m. to 12:30 p.m. The two bays will stand inoperative: 12/17, from 12:30 p.m. to 3:00 pm; 12/22: from 9:30 a.m. to 3:00 p.m. Completed.	No	255
	Annual arms maintenance at LNG trucks loading dockSeawater system review Safety ties test Maintenance of power supply lineArms maintenance at LNG trucks loading dockCalibration of LNG trucks loading dockMaintenance at LNG trucks loading dockMaintenance at LNG trucks loading dockArms maintenance at LNG trucksArms maintenance at LNG trucksArms maintenance at LNG trucks	Annual arms maintenance at LNG trucks loading dockFrom 06:00 a.m. to 03:00 p.m.; during this time one of the two bays will stand inoperative. Completed.Seawater system review Safety ties test 	MaintenanceLimitationsAffectionAnnual arms maintenance at LNG trucks loading dockFrom 06:00 a.m. to 03:00 p.m.; during this time one of the two bays will stand inoperative. Completed.NoSeawater system review Safety ties test Maintenance of power supply linePlant stops for 12 hours_day. Completed.YesArms maintenance at LNG trucks loading dockFrom 07:00 a.m. to 07:00 p.m.; during this time one of the two bays will stand inoperative. Completed.NoCalibration of LNG trucks loading dock scalesFrom 08:30 a.m. to 3:00 p.m.; during this time the two bays will stand inoperative. Completed.NoMaintenance at LNG trucks loading dockFrom 08:00 a.m. to 4:00 p.m.; during this time the two bays will stand inoperative. Completed.NoMaintenance at LNG trucks loading dockFrom 08:00 a.m. to 3:00 p.m.; during this time one of the two bays will stand inoperative. Completed.NoArms maintenance at LNG trucks loading dockFrom 06:00 a.m. to 3:00 p.m.; during this time one of the two bays will stand inoperative. Completed.NoArms maintenance at LNG trucks loading dockFrom 06:00 a.m. to 3:00 p.m.; during this time one of the two bays will stand inoperative. Completed.NoArms maintenance at LNG trucks loading dockOne of the two bays will stand inoperative: 12/17, from 9:30 a.m. to 12:30 p.m. The two bays will stand inoperative: 12/17, from 12:30 p.m. toNo



1.- REGASIFICATION PLANTS

1.3. SAGUNTO PLANT – SAGGAS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb
From 15th to 29th January	Corrective maintenance on the dock recirculation line	Loading/unloading ships unavailable. It will be coordinated to prioritize loading or unloading scheduled operations of vessels. 25th January: from 00 a.m. to 10 a.m.: Plant stop and LNG trucks loading stop. Completed.	Yes	028
28th and 29th May	Biennial maintenance at LNG trucks loading dock	From 08:00 a.m. to 5:00 p.m.; during this time one of the two bays will stand inoperative. Completed.	Yes	163
3rd, 11th and 16th June	Calibration and official verification of LNG trucks loading dock scales	From 08:00 a.m. to 5:00 p.m.; during this time the two bays will stand inoperative. Completed.	Yes	058
From May to June	ORV's review	Maximum emission 600.000 Nm3/h. It was carried out in periods with low programmed emission. Completed.	No	164
From 21st July to 7th August	Unloading arms revision	Without loading / unloading operations. Completed.	Yes	165
16th Sept. From 21st to 30th Sept. 01st October. From 05th Oct to 18th Dec.	Cleaning of catchment pool	09/16/2020: maximum emission 400,000 Nm3/h, 7 a.m. to 7 p.m. From 09/21 to 09/30/2020: maximum emission 800,000 Nm3/h 10/01/2020: maximum emission 400,000 Nm3/h, 7 a.m. to 7 p.m. From 10/05/2020 to 12/18/20: maximum emission 800,000 Nm3/h. Completed.	No	166
15th December	Periodic Tests ESD Matrix	Plant emission restricted to the use of the compressor for shipment to the transport network (from 8:00 a.m. to 1:00 p.m.). Completed.	No	167



1.- REGASIFICATION PLANTS

1.4. BARCELONA PLANT – ENAGAS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
14th and 15th January	Updating modules communications at LNG trucks loading dock. Phase 1.	Without reserve LNG trucks loading dock (2 LNG trucks loading dock available) from 08 a.m. to 5 p.m. No restriction on LNG trucks loading dock. Completed.	No	022
From 3rd to 9th February	Dredge of seawater outlet catch basin (North side)	Maximum emission 1.500.000 Nm3/h. Completed.	Yes	168
From 11th February to 15th November	A-80; adaptation docking front for loading small ships	No unloading / loading of small vessels. Completed.	Yes	075
13th February	Updating modules communications at LNG trucks loading dock. Phase 2.	Without reserve LNG trucks loading dock (2 LNG trucks loading dock available) from 08 a.m. to 8 p.m. No restriction on LNG trucks loading dock. Completed.	No	049
5th March	Hardware update of LNG trucks loading dock	Without LNG trucks loading dock for 1.5 hrs Completed.	No	056
From 24th May to February 2021	Compressor Replacement 35 Bar network C2002A with the new C6000	No reloading and cooling of L and XL ships	Yes	173
From 26th to 28th May	Dock arm repair	Without vesels operations at berth A-263. It will be coordinated to prioritize loading or unloading scheduled operations of vessels. Completed.	No	80



1.- REGASIFICATION PLANTS

1.4. BARCELONA PLANT – ENAGAS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 15th June to 3rd July	Cleaning the collection drawer N ^o 2	Maximum emission 1.800.000 Nm3/h. Completed.	Yes	169
3rd July. (08:00 a.m. to 03:00 p.m.)	Legal Inspection SUB 4 and SUB 2	Maximum emission 1.500.000 Nm3/h. Completed.	Yes	172
From 29th June to 2nd July	Structural modification for placement future LNG loading arm	Without reserve LNG trucks loading dock (2 LNG trucks loading dock available). No restriction on LNG trucks loading dock. Completed.	No	099
2nd July	Verification of LNG trucks loading dock scales	Without reserve LNG trucks loading dock (2 LNG trucks loading dock available). No restriction on LNG trucks loading dock. Completed.	No	094
From 20th July to 3rd August	Pool cleaning Nº 4	Maximum emission 1.800.000 Nm3/h. Completed.	Yes	181
From 13th October to 5th November	Nº 5 drawer catchment cleaning	Maximum emission 1.500.000 Nm3/h. Completed.	Yes	178
From 14th to 22th December	Replacement of the MOV 6010 Valve of the Sea Water Circuit	Maximum emission 1.050.000 Nm3/h. Completed.	Yes	179



1.- REGASIFICATION PLANTS

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1.4. BARCELONA PLANT – ENAGAS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 29th September to 09th October	Installation of the new FMC A-263 arms frame	Without vesels operations at berth A-263. Completed.	Yes	174
Fron june 2020 to march 2021	Revamping SUB 3	Maximum emission 1.500.000 Nm3/h. Intermittent affection with dates that will be informed in advance.	No	176
From 20th to 22th October	Installation of new manual valves on Scale C	Without reserve LNG trucks loading dock (2 LNG trucks loading dock available). No restriction on LNG trucks loading dock. Completed.	No	120
From 2nd to 13th November	C2002B compressor maintenance	Minimum emission 150.000 / 300.000 Nm3 / h, cycles of 12 hrs. Completed.	No	125
1				



1.- REGASIFICATION PLANTS

1.5. CARTAGENA PLANT – ENAGAS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
18th and 19th February	Loop 3: Extension and adaptation of the Rotork actuator control loop system. Phase 1	Whithout loading/unloading of vessels at both berths. Affection to send out pending to be assessed. It will be coordinated to prioritize loading or unloading scheduled operations of vessels operations. Completed.	No	054
04th and 05th March	Biennial legal verification of LNG trucks loading dock scales	The reserve LNG trucks loading dock is unavailable from 08:00 a.m. to 05:00 p.m. Available 2 of 3 LNG trucks loading docks. Completed.	No	187
23th April	Maintenance in the high voltage park.	Plant stop, from 10 a.m. to 2 p.m. LNG trucks loading stop from 11 a.m. to 1 p.m. Completed	Yes	074
From 08th May to 05th June	Repair Pantalan Arms 263 M	Whithout loading/unloading of vessels at 263 M berth. It will be coordinated to prioritize loading or unloading scheduled operations of vessels. Completed.	No	070
From 11th May 2020 to 15th January 2021	Dock arms repair 40 M and completion of bunkering installation.	Without loading/unloading ships in 40 M berth.	No	076
From 8th to 24th June	Seawater return: Shipment / Return of water to / from CTCC: Phase 1 Collector A	Maximum emission 750.000 Nm3/h. Completed.	No	183
From 24th June to 08th July	Seawater return: Shipment / Return of water to / from CTCC: Phase 2 Collector B	Maximum emission 900.000 Nm3/h. Completed.	No	184
From 26th to 29th October and 17th November	Installation of actuators on the inlet valves of LNG trucks loading dock	Without reserve LNG trucks loading dock from 7:00 a.m. to 3:00 p.m. Completed.	Yes	100



1.- REGASIFICATION PLANTS

1.5. CARTAGENA PLANT – ENAGAS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
5th August	LNG trucks loading dock maintenance	The reserve LNG trucks loading dock is unavailable from 09:00 a.m. to 01:00 p.m. Available 2 of 3 LNG trucks loading docks. Completed.	No	109
From 3rd to 7th August	seawater filter maintenance	Maximum emission 900.000 Nm3/h. Completed	Si	107
From 7th September to 8th October	Compressors GB-223 maintenance	Limitation in recovery BO, maximum 15.000 Nm3/h. Ship load limitation to 3.000 m3gnl/h. Minimum emission 150.000 Nm3/h. No cold-setting of ships. Completed.	No	052
From 8th to 16 th October	HIPPs valve installation in impulsion compressors export	Export compressors not available. Minimum emission 150.000 Nm3/h. Maximum emission 900.000 Nm3/h. Completed.	No	053
From 29th September to 2nd October	Corrective maintenance on discharge arm	Max. ship discharge rate 10,000 m3 / h. There aren't downloads scheduled on these dates. Completed.	No	121
10th November	Main electrical substation maintenance.	From 9 a.m. to 1 p.m.: without LNG loading/unloading; without LNG trucks loading; without emission. Completed.	No	126
From 23th September to 29th December	Corrective maintenance in Phase V vaporizers (3 teams)	They involve having hot the lng circuit. If it is necessary to increase to step 7 (1.050.000 Nm3 / h) or higher, a notice of 5 days is required. Completed.	No	127
22 th December	LNG trucks loading dock PLC program update	Without LNG trucks loading from 10:00 a.m. to 12:00 p.m. Completed.	No	206



1.- REGASIFICATION PLANTS

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1.6. HUELVA PLANT – ENAGAS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 14th to 18th January	Phase 1 equipment dismantling	No vessel unloading. It will be coordinated to prioritize loading or unloading scheduled operations of vessels. Completed.	Yes	034
From 14th to 18th January	Phase 2 equipment dismantling	No vessel unloading. It will be coordinated to prioritize loading or unloading scheduled operations of vessels. It is necessary to emission at least 300,000 Nm3/h. Completed.	Yes	035
From 14th to 18th January	Phase 4 equipment dismantling	No vessel unloading. It will be coordinated to prioritize loading or unloading scheduled operations of vessels. Completed.	Yes	021
From 20th to 22th May	Verification of LNG trucks loading dock scales	Works in reserve LNG trucks loading dock. Without restriction on LNG trucks loading dock. Completed.	No	071
From 25th May to 08th june	Small loading arms maintenance	Without loading / unloading of small scale ships. Completed.	Yes	078
6 th August	Cleaning of emissary I	Maximum emission 1.050.000 Nm3/h. Completed.	Yes	192
30th July. From 6 a.m. to 6 p.m.	Seawater filter maintenance	Maximum emission 650.000 Nm3/h. Completed.	Yes	106



1.- REGASIFICATION PLANTS

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1.6. HUELVA PLANT – ENAGAS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 16th November to 4th December	Renewal of electrical panels and switches in Substation I, II and III. Works on electrical panels NC-100	Maximum emission 900.000 Nm3/h. Completed.	Yes	079
12th November.	Renewal of electrical panels and switches in Substation I, II and III. Works on electrical panels NC-102	From 06:00 a.m. to 10:00 p.m. Maximum emission 1.500.000 Nm3/h. Without loading/unloading ships. Completed.	Yes	190
From 11th to 20th October	Maintenance of dock protection elements. Installation of the new PX- 101/102 hydraulic arms system.	Without affection, since it is carried out on tidal days that prevent unloading. Completed.	No	095
From 13th to 17th July	Cleaning of emissary III	Maximum emission 1.050.000 Nm3/h. Completed.	No	194



2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

January 8th 2.021

2.1. TRANSPORT PIPELINES

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 08th to 16th January	Southwestern semi-ring gas pipeline in Madrid: Insertion position T-08A Moraleja de Enmedio.	Limitation to the transport capacity in the 20" semi-ring of Madrid due to the isolation of the section. The 16" and 26" pipelines are available. Completed.	No	199
27th January	Modification "pig trap" pos. N07B Almendralejo.	Without affection. For future Almendralejo - Caceres 26" ILI Inspection. Completed.	No	032
28th January	Modification "pig trap" pos. 0022 Cáceres.	Without affection. For future Caceres - La Granja 26" ILI Inspection. Completed.	No	033
28th January	Position D14 Villarriba. Provisional repair with plidco 16 ".	Max pressure in section 63.5 bara, until final repair (welding the plidco). Completed.	No	047
29th and 30th January	New UM pos. 15.06A.1 Cabanes Norte. Drills in way-tees.	Without affection. Completed.	No	026
04th and 05th February	Modification "pig trap" pos. 26 Pedrola. Zaragoza side	Without affection. For future Pedrola - Castelnou 26 ILI Inspection. Completed.	No	037
18th February	ERM Pos. N07.1 Almendralejo (Zafra). Corrective maintenance inlet valve.	4 hrs ERM unavailable. Demand tranche is provisioned from stock. In coordination with Distribuidora Gas Extremadura. Completed.	No	055
03rd March	Modification "pig trap" pos.P04 Boecillo.	Without affection. For future Boecillo - Coreses 20"" ILI Inspection. Completed.	No	038



2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

January 8th 2.021

2.1. TRANSPORT PIPELINES

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
04th March	Modification "pig trap" pos.O11 Coreses.	Without affection. For future Boecillo - Coreses 20" ILI Inspection. Completed.	No	039
05th March	Modification "pig trap" pos. 006 Valverde de la Virgen.	Without affection. For future León - Oviedo 20" ILI Inspection. Completed.	No	040
From 18th to 28th May	Section pos. D07 Villapresente - D07A Ruiloba. Repair defect corrosion protection of the tube at one point.	Max pressure in the section: from 18 to 26 May,68,9 bara; 27th and 28th MAy: 57.6 bara. Completed.	No	089
3rd July	Maintenance by pass High-Low. Pos. I003 Cudillero	Without restrictions. Provisional hoses are placed for the gas outlet to the Cudillero network. Completed	No	085
From 23th to 27th Nevember	Maintenance by pass High-Low. Pos. I005 Luarca	Without restrictions. Provisional hoses are placed for the gas outlet to the Luarca network. Completed.	No	086
From 14th to 17th July	Pos. 11 Constantí. Regulator changes and increased line diameter	It must be feasible that the entire flow of the ERM passes through 2 lines. Completed.	No	081
28th and 29th July	Pos. B22.1 - Getafe II. Insertion of the position.	Without transport by PCV_FCV B22B Getafe. Completed.	No	102



2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

January 8th 2.021

2.1. TRANSPORT PIPELINES

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 19th to 21st August	Position D14 Villarriba. Definitive repair with plidco 16 ".	Max pressure in section 63.5 bara, until final repair (welding the plidco). During welding pressure 40 bara. Completed.	No	096
From 5th to 9th October	Pos. D07 Villapresente: Modification "pig trap".	To adapt and receive future ILI from Burgos. Without any planned limitation. Completed.	No	197
From 13th to 17th December	Pos. Y04 Badames. Insertion of UM	Gas pipeline cut between Treto and Badames. Completed.	No	082
28th July	Position 38 Foronda: Replacement of ERM line A output valve	ERM Pos 38 unavailable. Supply to the Vitoria network through the ERM Pos 38X.01 Gamarra. 5 hours. Completed.	No	198
11th June	Pos. S08.1 Malaga. Corrective maintenance: replacement of the line B inlet valve.	It affects the delivery to the CCGN Campanillas. Coordinated action with the CCGN, Distribuidora Nedgia and informed REE. From 08:00 a.m. to 03:00 p.m. Completed.	Yes	105
14th October	Pos. 20 Castelnou: Modification "pig trap".	To adapt and receive future ILI from Pedrola. Without any planned limitation. Completed.	No	122
2nd and 3rd December	Pos. 32 Santa Engracia: Replacement ERM manifold	4 hours. The ERM pos. 33 Lardero assumes the supply of network. Pos. 32 and 33. Completed.	No	131



2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

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2.2. DISTRIBUTION NETWORKS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 27th February to 04th March	Repair of incidence in the distribution network of ERM 15.17 Carlet. Nedgia	It is necessary to reduce ERM pressure from 45 to 31 bara during work. Completed.	No	067
25th June and 22 July	Displacement RAB-00 Montmeló - Rio Besós Pos. 4.07 Montmeló	Without any planned limitation. Montmeló will enter approx. 15.000 Nm3/h. From 08:30 a.m. to 8:00 p.m. Completed.	No	203
1st July	Arroyomolinos antenna. Pos. T08A Moraleja de Enmedio.	Without any planned limitation. Connection with ERM pos. T08A Moraleja de Enmedio. Completed.	No	202
4th November	Conexión Getafe-Usera. Pos B22 Getafe.	Without any planned limitation. Completed.	No	201
From 2nd to 26th November	TS Huelva-Ayamonte variant in Pontezuelas stream crossing (Cartaya, Huelva). Pos F00.3 ENCE	Without any planned limitation. Completed.	No	200



2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

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2.3. COMPRESSION STATIONS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 29th to 30th January	EC Chinchilla. Repair leakage in fuel gas collector of TCs	29th and 30th January, EC unavailable during work. 31st January, EC available. Completed.	No	027
From 22nd January to 07th February	EC Villar de Arnedo. TC-103 Repair	TC-103 (reserve) unavailable during work. Completed.	No	042
12th February	EC Villar de Arnedo. SCE update	Without affection. Completed .	No	044
28th February	EC Villar Euskadour. SCE update	Without affection. Completed.	No	059
02nd and 03rd March	EC Sevilla. SCE update	Without affection. Completed.	No	046
From 18th to 20th May	EC Denia. SCE update	Without affection. Completed.	No	061
From 20th to 22th May	EC Chinchilla. SCE update	Without affection. Completed.	No	060



2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

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2.3. COMPRESSION STATIONS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 25th to 27th May	EC Bañeras. SCE update	Without affection. Completed.	No	062
From 27th to 29th May	EC Tivissa. SCE update	Without affection. Completed.	No	063
From 7th to 25th Sept.	EC Euskadour. Motocompressor maintenance	Reserve motocompressor unavailable. 1 motocompressor available. Completed	No	036
From 23th to 26th November	EC Lumbier. Installation of ventilation recovery system.	EC Unavailable. Completed.	No	128



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2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

2.4. IN LINE INSPECTIONS (ILI)

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
19th February	Reganosa. From pos. 01.1A Cabanas to pos. 03B Abegondo. ILI 26 ". Caliper pig.	P. Reganosa must adjust its emission to the requirements of the ILI and the needs of the System. Emission aprox. 210.000 Nm3/day. Completed.	No	025
From 17th to 27th February	Redexis. ILI SEGAVI. Pos. B-14.03 Palazuelos de Eresma	(Calibrated plate, Cleaning, Caliper, MFL). Redexis will install provisional regulator to control ILI pressure. Completed.	No	207
17th to 21st February	Almería - Lorca 42": Inspection ILI.	(Calibrated plate_Cleaning). Optimum speed 1 - 3 m / s. Possible entry regulation by C.I. Almeria during the inspection. Stable flow. Completed.	No	208
From 2nd to 4th June	Sea Line Barcelona 20": Inspection ILI	Optimum speed 0.6 - 2 m / s. Pressure adaptation in Montmeló and Papiol + P. Bna 36 bara to get correct flow in the ILI. Completed	No	221
From 8th to 12th June	León - Oviedo 20": Inspection ILI	Optimum speed 1 - 3 m / s. P. Reganosa will have to adapt its emission to the needs of the Northwest area. Very linked to CCGN Soto consumption (speed decrease at that point) and entries by EC Coreses (high speed initial sections). Completed.	No	218
From 7th to 11th September	Boecillo-Coreses 20": Inspection ILI	Speed max. 2 m / s. Accurate flow Aranda side in EC Coreses suction. Possible need to modulate P. Reganosa emission and, provisionally, modulation of flows through C.I. Badajoz. Completed.	No	217
From 14th to 18th September	Aranda de Duero-Boecillo 20": Inspection ILI	Speed max. 2 m / s. Accurate flow Aranda side in EC Coreses suction. Possible need to modulate P. Reganosa emission and, provisionally, modulation of flows through C.I. Badajoz. Completed .	No	216
From 21st to 25th September	Villalba-Santiago 20": Inspection ILI	Speed max. 2 m / s. P. Reganosa isolated until exceeding pos. I13 (2.5 hrs) and will have to adapt its emission to the needs of the ILI. Necessary flow through Tuy (Spain> Portugal, from 20,000 to 40,000 Nm3 / h). Completed	No	219



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2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

2.4. IN LINE INSPECTIONS (ILI)

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 28th September to 2nd October	Santiago Tuy 20": Inspection ILI	Speed max. 1.3 m / s. Necessary flow through Tuy (Spain> Portugal, at least 40,000 Nm3 / h). P. Reganosa will have to adapt its emission to the needs of the ILI. Completed	No	220
From 6th to 9th and 26th October	Almería - Lorca 42": Inspection ILI	Caliper_MFL Pig. Optimum speed 1 - 3 m / s. Entry regulation by C.I. Almeria during the inspection. Stable flow. Completed.	No	065
From 13th to 16th October	Lorca - Moratalla 42": Inspection ILI	Optimum speed $1 - 3 \text{ m} / \text{s}$. Entry regulation by C.I. Almeria during the inspection. Stable flow. Completed.	No	209
From 19th to 22th October	Moratalla - Chinchilla 42": Inspection ILI	Optimum speed $1 - 3 \text{ m} / \text{s}$. Entry regulation by C.I. Almeria during the inspection. Stable flow. Completed.	No	210
From 3rd to 6th November	Almendralejo - Caceres 26": Inspection ILI	Optimum speed 1 - 3 m / s. Possible flow regulation through the Ruta de la Plata gas pipeline during the inspection. Stable flow. Possible need to modulate P. Reganosa emission. Completed.	No	211
From 9th to 12th November	Cáceres-La Granja 26": Inspection ILI	Optimum speed 1 - 3 m / s. Possible flow regulation through the Ruta de la Plata gas pipeline during the inspection. Stable flow. Possible need to modulate P. Reganosa emission. Completed.	No	212
From 16th to 20th November	Pedrola - Castelnou 26": Inspection ILI	Optimum speed 1 - 3 m / s. Possible flow regulation through the Villar de Arnedo - Tivisa gas pipeline and adjustment of the extraction in UGS Serrablo during the inspection. Stable flow. Completed.	No	213
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3.- UNDERGROUND GAS STORAGES

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
28th January	UM filter replacement	Total unavailability Injection / Extraction. From 08 a.m. to twelve midnight. Completed.	No	041
12th and 13th May	Offshore Platform: Tightness Testing Bottom Valves and Wellhead	Total unavailability Injection / Extraction. These works can be interrupted if it is necessary. Completed.	No	066
22th and 26th May	Corrective maintenance TC-2 of Platform.	Max injection capacity Gaviota 36 GWh/day. Completed.	Yes	097
From 18th to 19th June, 27th July, 3rd and 4th August	Plant backup compressor testing and environmental measurements. Test 24 hrs.	Injection of 53 GWh / day is necessary. Completed.	No	098
6th August. 12 hours	Platform watertightness tests (SDV- 037 valve).	Total unavailability Injection / Extraction. Completed.	Yes	114
From 28th September to 12th October	Offshore Platform: Wireline G-6 installation anti-return fund and change Xmas Tree G-10 and G-7.	Total unavailability Injection / Extraction. Completed.	Yes	222
From 28th September to 30th October	Plant: Torch shutdow	Total unavailability Injection / Extraction. Completed.	Yes	223
25th and 26th November	Offshore Platform: Tightness Testing Bottom Valves and Wellhead	Total unavailability Injection / Extraction. Completed.	Yes	224
9th and 10th December	Well flow control valve replacement	Total unavailability Injection / Extraction. Completed.	Yes	204



3.- UNDERGROUND GAS STORAGES

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3.2. UGS SERRABLO

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
29th and 30th January	SCE update	Without affection. Completed.	No	043
From 7th May to 10th June	Unavailability of well J-17	Due to failure of the TC fire fighting control unit at the Jaca 17 well. It implies a decrease in the injection capacity in Serrablo of approx. 15 GWh / day. Completed.	Si	90
From 13th to 17th July	Replacement of Chromatograph and converter	Without injection from Monday, July 13 at 8:00 a.m. to Friday, July 17 at 10:00 a.m. Completed.	No	101
From 1st to 17th July	Jaca Wells: Substitution Choke Production J-2	Without extraction Jaca 2. Completed.	No	225
From 7th to 9th October	Jaca Wells: Test Choke Production J-2	Necessary extraction in Jaca-2, up to 3 MNm3/day. Completed.	No	108
October	Aurin Wells and Jaca Wells: Tightness Testing Bottom Valves and Wellhead	Partial Unavailability Injection / Extraction. Completed.	No	226
From 7th to 9th October	New TEG regenerator tests	Several extraction steps are necessary, including the maximum. Completed.	No	154
From 16th July to May 2021	Well Jaca 17. Corrective maintenance of the well integrity.	Well Jaca 17 remains unavailable.	Yes	110
From 30th November to 6th December	Well Jaca 17. Slick Line.	Well Jaca 17 unavailable. Completed.	Yes	129



3.- UNDERGROUND GAS STORAGES

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3.3. UGS YELA

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
22th and 23th January 6th and 13th February	Tests of the cameras for the detection of fugitive emissions.	It is necessary to extract that day and the previous one. Completed.	No	024
7th May	Cutting and welding work scheduled in the compressor building	Unavailability Injection. Completed.	No	091
From 1st to 3rd June	Electrical Substation Discharge	Total unavailability Injection / Extraction. Completed.	Si	227
From 24th to 26th August	Test 48 hrs injection 4 MNm3/day	Injection 4 MNm3/day. Completed.	No	112
From 29th september to 1st October	Compressor leak measurement tests	Injection needed. Completed.	No	115
From 10th to 27th September	Cleaning separators.	Total unavailability Injection / Extraction. Completed.	No	057
From 9th to 11th November	Test 48 hrs extraction 6 MNm3/day	Extraction 6 MNm3/day. Completed.	No	113



3.- UNDERGROUND GAS STORAGES

3.4. UGS MARISMAS				
Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 1st to 31st October	General maintenance.	Total unavailability Injection / Extraction. Completed.	Yes	229



4.- GAS FIELDS AND BIOMETHANE

4.1. VIURA FIELD

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 24th to 27th February	Regulatory inspections HIPPS review. Various maintenance (SIS, updates, filters, etc.)	Gas field unavailable. Completed.	Yes	023
From 122th May to 15th June	Well monitoring.	Gas field unavailable. Completed.	Yes	093
From 28th June to 19th August.	Maintenance and scheduled inspections. Upstream jobs	Gas field unavailable. Completed.	Yes	231
From 26th September from 2nd October	Activities in new well.	Gas field unavailable. Completed.	Yes	123
From 24th October to 9th November	Review 30kh chiller C3H8. Control system update. HIPPS review and wellhead Overpressure valves (PSV's) review	Gas field unavailable. Completed.	Yes	124



4.- GAS FIELDS AND BIOMETHANE

4.2. POSEIDÓN FIELD

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
	There aren't planned mainte	enance operations with impact on the emission.		

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4.- GAS FIELDS AND BIOMETHANE

4.3. VALDEMINGÓMEZ BIOMETHANE

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 17th to 22nd February	Scheduled maintenance operations	Without production. Completed.	Yes	232
From 15th to 18th June	Scheduled maintenance operations	Without production. Completed.	Yes	233
From 21st to 26th September	Scheduled maintenance operations	Without production. Completed.	Yes	234



5.- INTERNATIONAL CONNECTIONS

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5.1. C.I. TARIFA

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
04th and 05th March	SCE update	Without affection. Completed.	No	045
From 09th to 17th March	Maintenance TC low flow. EC Tangier (EMPL_Metragaz)	Low flow CT unavailable. Flows by agreement between operators. Completed.	No	068
From 3pm on 02nd to 3pm on 04th September	Pos. K01 Tarifa. Mov-100 by-pass replacement	48 hours, without flow through CI Tarifa. Agreement between operators. Completed.	No	235



5.- INTERNATIONAL CONNECTIONS

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5.2. C.I. ALMERIA

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 17th to 19th June	SCE update	Without affection. Completed.	No	064
From 21st to 28th September	Scheduled maintenance	28th Nov. Need for several momentary stops of the flow. Completed.	No	236



5.- INTERNATIONAL CONNECTIONS

5.3. C.I. LARRAU

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
12th May	Various works of GRTGaz in the French system.	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day. Completed	Yes	237
From 2nd to 26th June	Various works of GRTGaz in the French system.	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day. Completed.	Yes	238
From 20th to 24th July	Various works of GRTGaz in the French system.	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day. Completed.	Yes	088
From 31st August to 25th September	Various works of GRTGaz in the French system.	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day. Completed	Yes	239
From 21st to 25th September	Maintenance EC Mont. Terega	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day. Completed.	Yes	117



5.- INTERNATIONAL CONNECTIONS

		5.4. C.I. IRÚN		
Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 04th to 07th February	Pos. 41.10.01 Irún. Maintenance valves.	No flow by C.I. Irún from 08 a.m. to 6 p.m. It will be held on dates compatible with the nominations in VIP Pyrenees. Coordinated with Terega. Completed ,	No	048
From 18th to 20th February	Pos. 41.10.01 Irún. Maintenance FCV.	No flow by C.I. Irún from 08 a.m. to 6 p.m. It will be held on dates compatible with the nominations in VIP Pyrenees. Response tests will be necessary Coordinated with Terega. Completed.	No	050
12th May	Various works of GRTGaz in the French system.	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day. Completed	Yes	237
From 2nd to 26th June	Various works of GRTGaz in the French system.	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day. Completed.	Yes	238
From 29th June to 02nd July	ILI Terega in Urrugne area	Accurate pressure of approx. 65 bara in Urrugne area. Transportation by VIP Pyrenees connections on these days by agreement between Operators. Completed.	No	103
20th and 21st July.	Measurements in FCVs pos. 41.10.01 Irún and EC Euskadour	Without flow through CI Irún. Agreement between operators. Completed	No	116
From 20th to 24th July	Various works of GRTGaz in the French system.	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day. Completed.	Yes	088
From 31st August to 25th September	Various works of GRTGaz in the French system.	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day. Completed.	Yes	239
From 21st to 25th September	Maintenance EC Mont. Terega	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day. Completed.	Yes	117



5.- INTERNATIONAL CONNECTIONS

5.5. C.I. BADAJOZ				
Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 12th to 16 th October	REN. Inspection in line in Campo Mayor	3 pigs. Flows from 250.000 to 300.000 Nm3/h; aprox. 11 hrs/pig. OBA regularization will be agreed if necessary between Operators. Completed.	No	240



5.- INTERNATIONAL CONNECTIONS

		5.6. C.I. TUY		
Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 16th to 20th November	Change of the actuators in the flow control FCVs POR > ESP. Pos. I025 Tuy- L-B	Without affection. The line of work will be unavailable for 2 days. Real transportation tests will be required. Completed .	No	084