

5.6. CI Tuy

ANNUAL PLAN – 2021 Maintenance Operations

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 viabl
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	to adjust their flows to the specific needs of these operations.
3.2. UGS Serrablo	
3.3. UGS Yela	The user term refers indistinctly to the shipper, the direct customer in the marke
3.4. UGS Marismas	or the final customer. The condition of affection to users will be reviewed each
	month in the monthly update of this document.
4 Gas fields and Biomethane	
4.1. Viura field	
4.2. Poseidón field	
4.3. Valdemingómez Biomethane	
5 International Connections.	
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1.- REGASIFICATION PLANTS

1.1. BILBAO PLANT – BBG

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb
From 26th May to 08th June	Maintenance, revision and cleaning of the sea water catchment system.	Regasification by submerged combustion vaporizer. Maximum production 200.000 Nm3/h. No unloading of LNG carriers. Dates coincide with the stop of the CCGN BBE.	Yes	256
October 4 hours	Annual preventive review of the relicuador	Maximum production 560.000 Nm3/h. The specific date will depend on the Plant's production schedule.	No	257
Throughout the year	Preventive maintenance of unloading arms	No emission limitations. It will be coordinated to prioritize loading or unloading scheduled operations of vessels.	No	258
Throughout the year	Preventive maintenance of boil-off compressors GB-103A/B/C	No emission limitations. It will be coordinated to prioritize loading or unloading scheduled operations of vessels.	No	259
Throughout the year	Preventive maintenance at LNG trucks loading dock	No emission limitations. It will be coordinated to prioritize the LNG trucks operations.	No	260
Throughout the year	Preventive maintenance primary pumps	No emission limitations.	No	261
Throughout the year	Vaporizers coating maintenance	No emission limitations. It will be coordinated to prioritize scheduled productions. If it's necessary, the submerged combustion vaporizer will be used.	No	262



1.- REGASIFICATION PLANTS

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1.2. MUGARDOS PLANT – REGANOSA

	Limitations	Users Affection	Refer. Numb.
Maintenance at LNG trucks loading dock	One day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).	No	263
Inspection of LNG trucks loading dock scales	One day; from 08:00 a.m. to 2:30 p.m.; during this time the two bays will stand inoperative. Completed.	No	264
Maintenance at LNG trucks loading dock	One day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).	No	265
Annual maintenance at LNG trucks loading dock	One day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).	No	266
Maintenance at LNG trucks loading dock	One day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).	No	267
Seawater system review Safety ties test Maintenance of power supply line	Plant stops for 12 hours_day. 2 days will stand inoperative the LNG trucks loading dock for 12h	Si	268
Maintenance at LNG trucks loading dock	One day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).	Si	269
	dock Inspection of LNG trucks loading dock Maintenance at LNG trucks loading dock Annual maintenance at LNG trucks loading dock Maintenance at LNG trucks loading dock Seawater system review Safety ties test Maintenance of power supply line Maintenance at LNG trucks loading	Maintenance at LNG trucks loading dockbays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).Inspection of LNG trucks loading dock scalesOne day; from 08:00 a.m. to 2:30 p.m.; during this time the two bays will stand inoperative. Completed.Maintenance at LNG trucks loading dockOne day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).Annual maintenance at LNG trucks loading dockOne day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).Maintenance at LNG trucks loading dockOne day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).Maintenance at LNG trucks loading dockOne day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).Seawater system review Safety ties test Maintenance of power supply linePlant stops for 12 hours_day. 2 days will stand inoperative the LNG trucks loading dock for 12hMaintenance at LNG trucks loading dockOne day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in 	Maintenance at LNG trucks loading dockbays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).NoInspection of LNG trucks loading dock scalesOne day; from 08:00 a.m. to 2:30 p.m.; during this time the two bays will stand inoperative. Completed.NoMaintenance at LNG trucks loading dockOne day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).NoAnnual maintenance at LNG trucks loading dockOne day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).NoMaintenance at LNG trucks loading dockOne day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).NoMaintenance at LNG trucks loading dockOne day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).NoSeawater system review Safety ties test Maintenance of power supply linePlant stops for 12 hours_day. 2 days will stand inoperative the LNG trucks loading dock for 12hSiMaintenance at LNG trucks loading dockOne day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).Si



1.- REGASIFICATION PLANTS

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1.2. MUGARDOS PLANT – REGANOSA

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
23th September	Calibration of LNG trucks loading dock scales	1 day; from 09:00 a.m. to 4:00 p.m.; during this time the two bays will stand inoperative.	No	270
October	Maintenance at LNG trucks loading dock	One day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).	No	271
December	Maintenance at LNG trucks loading dock	One day, from 05:00 a.m. to 1:30 p.m.; during this time one of the two bays will stand inoperative. Possible alternative: perform maintenance in two days (one bay every day).	No	271
Date to be determined	Update at LNG trucks loading dock	1 day will stand inoperative each bay on alternate days.	No	273



1.- REGASIFICATION PLANTS

1.3. SAGUNTO PLANT – SAGGAS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
2nd quarter	Annual unloading arms revision	Loading/unloading ships unavailable. It will be coordinated to prioritize loading or unloading scheduled operations of vessels.	No	274
2nd quarter Three weeks	Maintenance of dock protection elements and SeaTechnik cabinet update.	Loading/unloading ships unavailable. It will be coordinated to prioritize loading or unloading scheduled operations of vessels.	No	275
2nd quarter June	Periodic Tests ESD Matrix	From 8 a.m. to 2 p.m. without LNG loading/unloading; without LNG trucks loading; without emission.	Yes	276
3rd quarter Two months	Overhaul unloading arm 10-J-01B	Unloading rate limited to 8.000 m3gnl / h	No	277
3rd quarter	Cleaning of catchment pool	2 discontinuous days maximum emission 400.000 Nm3/h. During a month maximum emission 800.000 Nm3/h.	Yes	278
3rd quarter Two months	Control System Update Drivers	From 8 a.m. to 6 p.m. without LNG loading/unloading; without LNG trucks loading; without emission.	No	279
4th quarter Two months	Overhaul unloading arm 10-J-02	Unloading rate limited to 8.000 m3gnl / h	No	280
4th quarter Two weeks	Bunkering adaptation works	Loading/unloading ships unavailable. It will be coordinated to prioritize loading or unloading scheduled operations of vessels.	No	281



1.- REGASIFICATION PLANTS

1.4. BARCELONA PLANT – ENAGAS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 24th May 2021 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 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
February	Plant outlet pressure controlling valve replacement to R72: PIC 2261.2 (back up)	Duration: 7 days. Maximum emission 1.500.000 Nm3/h.	Yes	282
March	Replacement of MOV 3916 water inlet valve to E2200 E (ORV)	Duration: 7 days. Maximum emission 1.050.000 Nm3/h.	Yes	283
March	Pool cleaning Nº 3 South	Duration: 18 days. Maximum emission 1.800.000 Nm3/h.	Yes	284
April	Chromatograph at LNG trucks loading dock Maintenance	Duration: 7 days. LNG trucks loading dock unavailable	Yes	285
April	Hot Tap Relicuador input, new Chromatograph Sampler	Duration: 7 days. BOG management capacity (Vessel Load Limitation)	No	286
April	Installation Loading arm and dry coupling at LNG trucks loading dock Scale B	Duration: 7 days. Without reserve LNG trucks loading dock (2 LNG trucks loading dock available). No restriction on LNG trucks loading dock.	No	287



1.- REGASIFICATION PLANTS

1.4. BARCELONA PLANT – ENAGAS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
April	Installation Loading arm and dry coupling at LNG trucks loading dock Scale A	Duration: 7 days. Without reserve LNG trucks loading dock (2 LNG trucks loading dock available). No restriction on LNG trucks loading dock.	No	288
Мау	Pool cleaning Nº 2	Duration: 18 days. Maximum emission 1.800.000 Nm3/h.	Yes	289
June	Pool cleaning Nº 4	Duration: 18 days. Maximum emission 1.800.000 Nm3/h.	Yes	290
July	Installation 4 PSVs Online download A80	Duration: 21 days. Without ship on dock A80	No	291
October	Assembly of LNG line 12 "1R1J to increase cargo flow of ships	Duration: 10 days. Maximum emission 1.500.000 Nm3/h.	Yes	292
October	Pool cleaning Nº 5	Duration: 21 days. Maximum emission 1.500.000 Nm3/h.	Yes	293
Date to be determined	Transformation E200 into E2200	Duration: 21 days. Maximum emission 1.350.000 Nm3/h.	Yes	294



1.- REGASIFICATION PLANTS

1.5. CARTAGENA PLANT – ENAGAS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
9th February	Emergency electric generator tests (Deutz groups)	Duration: 1 day. Minimum emission 300.000 Nm3/h	No	295
March	Compressors GB-223 maintenance	Duration: 24 days. BOG recovery limitation: 20.000 Nm3/h. No cold-setting of ships.	No	296
1st March	seawater filter maintenance	Duration: 5 days. Maximum emission 900.000 Nm3/h	Yes	297
15th April	Seawater return: Shipment / Return of water to / from CTCC: Phase 1 Collector A	Duration: 19 days. Maximum emission 750.000 Nm3/h.	No	298
F1: April F2: May F3: June	Loop 3: Extension and adaptation of the Rotork actuator control loop system.	Duration: 3 months (3 periods of 5 days). Whithout loading/unloading of vessels at both berths. It will be coordinated to prioritize loading or unloading scheduled operations of vessels. Regasification limitation 300.000 Nm3/h.	Yes	299
April	263 M dock arms repair: change of hydraulic control unit and preventive maintenance	Duration: 8 days. Without ship unloading. It will be coordinated to prioritize loading or unloading scheduled operations of vessels.	Yes	300
April	NC-218 electrical panel revamping	Duration: 1 day. Without emission for 6 hours.	Yes	301



1.- REGASIFICATION PLANTS

1.5. CARTAGENA PLANT – ENAGAS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
10th May	Seawater return: Shipment / Return of water to / from CTCC: Phase 1 Collector B	Duration: 19 days. Maximum emission 900.000 Nm3/h.	Yes	302
24th May	Vaporizers and ERM maintenance	Duration: 5 days. Maximum emission 1.050.000 Nm3/h.	Yes	303
June	263 M dock arms repair: change of hydraulic control unit and preventive maintenance	Duration: 8 days. Maximum ship discharge flow 10.000 m3gnl/h (one arm unavailable)	No	304
September	Maintenance instrumentation and valves Relicuador	Duration: 5 days. Availability of export compressors. No ship unloading. Minimum emission 150.000 Nm3/h	No	305
October	NC-228 electrical panel revamping	Duration: 1 day. Without emission for 6 hours.	Yes	306
1st November	Adaptation and Improvement of Escombreras Dock. Port of Cartagena.	Duration: 8 months. Specific periods of unavailability of the 40M dock (without loading / unloading) to be defined by the Port of Cartagena.	No	307
Date to be determined	Installation of emergency generator GE- 201.	Duration: 1 day. Limitations to be determined	No	308



1.- REGASIFICATION PLANTS

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1.6. HUELVA PLANT – ENAGAS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
January	Renewal of electrical panels and switches in Substation I, II and III.	Duration: 10 days. Maximum emission 1.050.000 Nm3/h.	Yes	309
6th March	Replacement of automatic valve FV- 2111 of the LNG trucks loading dock "B"	Duration: 10 days. Unavailable LNG trucks loading dock.	Yes	310
27th March	Bunkering interconnections.	Duration: 16 days. No ship unloading. No small scale charges. It will adapt to dates without scheduled downloads.	Yes	311
June	Cleaning of emissary I	Duration: 5 days. Maximum emission 1.050.000 Nm3/h.	Yes	312
July	Cleaning of emissary II	Duration: 5 days. Maximum emission 650.000 Nm3/h.	Yes	313
August	Cleaning of emissary III	Duration: 5 days. Maximum emission 1.050.000 Nm3/h.	Yes	314
Date to be determined	Sub I electrical panel renovation	Duration: 12 days. No ship unloading. No small scale charges. It will adapt to dates without scheduled downloads.	Yes	315



2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

November 30th 2.020

2.1. TRANSPORT PIPELINES

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
July	Pos. 20.05 Altorricón (Huesca): HV-7 valve replacement	Duration: 1 day. Redexis delivery	No	316
Date to be defined.	Algete Yela gas pipeline: Insertion of a new position Daganzo (J00)	Duration: 3 days. Cutting and inerting the Algete Yela Gas Pipeline between Algete and J01 (Meco)	No	317
Date to be defined.	GasoductoTotana Murcia: Variant Gasoducto Ramal Totana Murcia in the municipality of Alcantarilla	Duration: To be defined. Totana Murcia gas pipeline cut	No	318
Date to be defined.	León Oviedo Gas Pipeline: Pola de Lena Variant (AVE Works "León Oviedo")	7 days. "León Oviedo" intercepted pipeline. P. Reganosa must adapt its issuance to demand section Tuy-Oviedo-Pola	Yes	319



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2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

2.2. DISTRIBUTION NETWORKS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
1st quarter	Inlet valve change to ERM Torrejón I. Madrileña Red de Gas.	One week. Without any planned limitation.	No	320
2nd quarter	Installation of a new ERM MPB-BP in Fuencarral. Madrileña Red de Gas.	One week. Without any planned limitation.	No	321
June - September	Valve Maintenance on RAB-00. Nedgia. EM-14A position network	15 days (approx.). Without any planned limitation.	No	322
June - September	ERP-07-01 Inquitasa. Nedgia. 12 (EM-07) position network	21 days (approx.). Without any planned limitation.	No	323
June - September	ERP-07-02 Vial Bellisens. Nedgia. 12 (EM-07) position network.	21 days (approx.). Without any planned limitation.	No	324
June - September	VS-002-03 Torrelavit. Nedgia. 6 position network.	21 days (approx.). Without any planned limitation.	No	325
December	Arakil - Lekunberri gas pipeline. Nedgia. G-07.03 position network	16 days (approx.). Without any planned limitation.	No	326



2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

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2.3. COMPRESSION STATIONS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
Date to be defined	EC Villar de Arnedo: TC-103. Replacement of the seals. Resolution to high machine vibrations.	Duration: To be defined. TC-103 unavailable. Two TCs available.	No	327



2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

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2.4. IN LINE INSPECTIONS (ILI)

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
25th January	Albelda-Monzón 12 ": In Line Inspection (ILI)	Duration: 5 days. Optimum speed 1 - 3 m/s.	No	328
1st February	Collado Hermoso-Turegano 12": In Line Inspection (ILI)	Duration: 5 days. Optimum speed 1 - 3 m/s.	No	329
8th February	Campo del Gibraltar gas pipeline reinforcement 16 ": In Line Inspection (ILI)	Duration: 5 days. Optimum speed 1 - 3 m/s.	No	330
15th February	Burgos - Villapresente 16": In Line Inspection (ILI)	Duration: 5 days. Optimum speed 1 - 3 m/s.	No	331
22th February	Luarca - Llanera 20": In Line Inspection (ILI)	Duration: 5 days. Optimum speed $1 - 3$ m/s. P. Reganosa will have to adapt its emission to the needs of the ILI.	No	332
1st March	Villalba - Luarca 20": In Line Inspection (ILI)	Duration: 5 days. Optimum speed $1 - 3$ m/s. P. Reganosa will have to adapt its emission to the needs of the ILI.	No	333
8th March	Santiago - Tuy 20": In Line Inspection (ILI)	Duration: 5 days. Optimum speed 1 - 3 m/s. It is 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.	No	334
19th April	Castelnou - Tivissa 26": In Line Inspection (ILI)	Duration: 5 days. Optimum speed 1 - 3 m/s.	No	335



2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

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2.4. IN LINE INSPECTIONS (ILI)

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
26th April	Yela - Algete 26": In Line Inspection (ILI)	Duration: 5 days. Optimum speed 1 - 3 m/s.	No	336
30th May	Sentmenat - San Adriá del Besós 26": In Line Inspection (ILI)	Duration: 5 days. Optimum speed 1 - 3 m/s.	No	337
10th May	Villafranca de Córdoba - Córdoba 36": In Line Inspection (ILI)	Duration: 5 days. Optimum speed 1 - 3 m/s.	No	338
17th May	Castellvi Rosanes - Hostalric 36": In Line Inspection (ILI)	Duration: 5 days. Optimum speed 1 - 3 m/s.	No	339
24 May	Vilanova - Tivissa 40": In Line Inspection (ILI)	Duration: 5 days. Optimum speed 1 - 3 m/s.	No	340
31st May	Paterna - Vilanova 40": In Line Inspection (ILI)	Duration: 5 days. Optimum speed 1 - 3 m/s.	No	341
June	San Juan de Dios - Son Reus (SANSON- 01 a SANSON-02). In Line Inspection (ILI)	Two to three days (Combo Plate + Cleaning, Combo Caliper + MFL if the trap allows it, if not Caliper first and MFL later). Delivery point pos. 15.20.6 Palma (Mallorca) Enagás.	No	342
June	Redexis. CALIBI Inspection In Line (ILI)	Two to three days (Combo Plate + Cleaning, Combo Caliper + MFL if the trap allows it, if not Caliper first and MFL later). Delivery point pos. 15.20.5 Sant Antoni de Portmany (Ibiza) Enagás.	No	343



3.- UNDERGROUND GAS STORAGES

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3.1. UGS GAVIOTA

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
January	Land Plant: Environmental Measurements	Duration: 36 hours. Continuous extraction is necessary	No	344
January	Offshore platform: Overhaul compressor platform	Duration: 90 days. Injection not available in extraction period	No	345
April	Offshore Platform: Tightness Testing Bottom Valves and Wellhead	Duration: 2 days. Total unavailability Injection / Extraction.	Yes	346
Мау	Land Plant: Environmental Measurements	Duration: 36 hours. Continuous Injection is necessary	No	347
June	Offshore Platform: Substitution of methanol lines	Duration: 30 days. Extraction not available in injection period	No	348
August	Offshore Platform: Replacement of fuel gas lines and valve	Duration: 7 days: Total Injection / Extraction unavailability. It will be matched with operation ref. 350	Yes	349
August	Plant: Torch shutdow	Ground plant: Replacement of torch burner. It will be matched with operation ref. 349	Yes	350



3.- UNDERGROUND GAS STORAGES

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3.1. UGS GAVIOTA

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
November	Offshore platform: Overhaul compressor platform	Duration: 60 days. Injection not available in extraction period	No	351
November	Offshore Platform: Tightness Testing Bottom Valves and Wellhead	Duration: 2 days. Total unavailability Injection / Extraction.	Yes	352
November	Offshore Platform: In Line Inspection	Duration: 12 hours. Continuous extraction is necessary	No	353



3.- UNDERGROUND GAS STORAGES

3.2. UGS SERRABLO

Maintenance	Limitations	Users Affection	Refer. Numb.
Well Jaca 17. Corrective maintenance of the well integrity.	Well Jaca 17 remains unavailable for injection. It is available for extraction	Yes	110
Launch of cleaning scrapers	Duration: 3 days. Constant emission 55.000 Nm3/h approx.	No	354
Well Jaca 17: Workover	Duration: 10 days. Well unavailable for injection until the end of the workover.	Yes	355
	Well Jaca 17. Corrective maintenance of the well integrity. Launch of cleaning scrapers	Well Jaca 17. Corrective maintenance of the well integrity.Well Jaca 17 remains unavailable for injection. It is available for extractionLaunch of cleaning scrapersDuration: 3 days. Constant emission 55.000 Nm3/h approx.	MaintenanceLimitationsAffectionWell Jaca 17. Corrective maintenance of the well integrity.Well Jaca 17 remains unavailable for injection. It is available for extractionYesLaunch of cleaning scrapersDuration: 3 days. Constant emission 55.000 Nm3/h approx.No

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3 UNDERGROUND GAS STORAGES		2.020
	3.3. UGS YELA	
Maintenance	Limitations	Users Refer Affection Numb
Electrical Substation Discharge	Duration: 2 days. Total unavailability Injection.	Yes 356
-	3 Maintenance	3.3. UGS YELA Maintenance Limitations

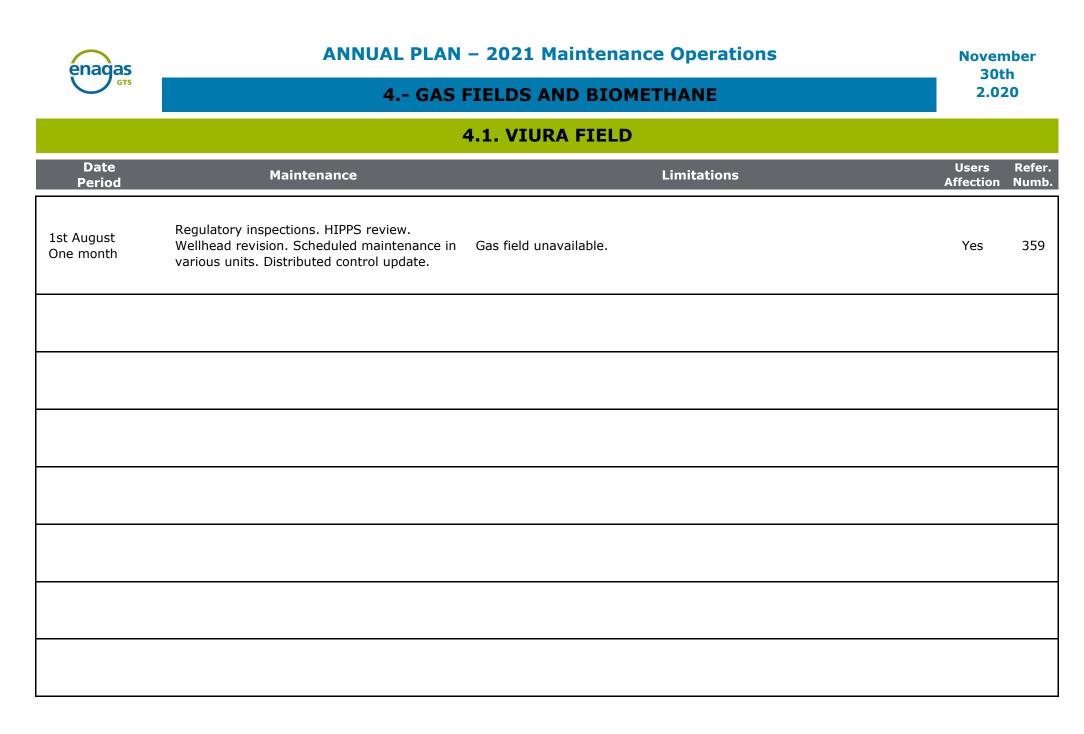
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3.- UNDERGROUND GAS STORAGES

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3.4. UGS MARISMAS

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 1st May to 30th April	Workover operations and scheduled maintenance.	Total unavailability Injection / Extraction.	Yes	357
From 1st to 31st October	General maintenance.	Total unavailability Injection / Extraction.	Yes	358



enagas	ANNUAL PLAN – 2021 Maintenance Operations		vember 30th
GTS	4 GAS FIELDS AND BIOMETHANE		2.020
	4.2. POSEIDÓN FIELD		
Date Period	Maintenance Limitations	User Affect	rs Refer. ion Numb.
	There aren't planned maintenance operations with impact on the emission.		



4.- GAS FIELDS AND BIOMETHANE

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4.3. VALDEMINGÓMEZ BIOMETHANE

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 22th February to 3rd March	Booster compressor and engines preventive maintenance (gas)	Without production.	Yes	360
From 7th to 13th June	Line filter and dryer maintenance	Without production.	Yes	361
From 27th September to 8th October	Preventive maintenance of air treatment and Booster compressor (over all)	Without production.	Yes	362

enagas	ANNUAL PLAN – 2	2021 Maintenance Operations	November 30th
GTS	5 INTERNA	ATIONAL CONNECTIONS	2.020
	5.:	1. C.I. TARIFA	
Date Period	Maintenance	Limitations	Users Refer. Affection Numb.



5.- INTERNATIONAL CONNECTIONS

		5.2. C.I. ALMERIA		
Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
First fortnight of April	Work related to the expansion of transport capacity.	Flow stop for 48 hours, with three days of gas affected.	Si	363

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5.- INTERNATIONAL CONNECTIONS

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5.3. C.I. LARRAU

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
From 26th April to 7th May	Various works of GRTGaz and Teréga in the French system.	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day.	Yes	364
From 31st May to 2nd July	Various works of GRTGaz in the French system.	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day.	Yes	365
From 14th June to 7th July	Teréga : LACAL - Pipeline Rehabilitation (Local Pirineos)	Maximum capacity of the VIP Pyrenees in the direction France $>$ Spain is 175 GWh/day.	Yes	366
From 8th to 30th July	Teréga : Mont - Compression maintenance (Local Pirineos)	Maximum capacity of the VIP Pyrenees in the direction France $>$ Spain is 175 GWh/day.	Yes	367
From 23th August to 22th October	Various works of GRTGaz in the French system.	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day.	Yes	368



5.- INTERNATIONAL CONNECTIONS

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5.4. C.I. IRÚN

Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
Second quarter Two days	CI Irún and EC Euskadour: Replacement of actuators	CI Irún and EC Euskadour unavailable. Dates will be adjusted so as not to affect users.	No	369
From 26th April to 7th May	Various works of GRTGaz and Teréga in the French system.	Maximum capacity of the VIP Pyrenees in the direction France $>$ Spain is 175 GWh/day.	Yes	364
From 31st May to 2nd July	Various works of GRTGaz in the French system.	Maximum capacity of the VIP Pyrenees in the direction France $>$ Spain is 175 GWh/day.	Yes	365
From 14th June to 7th July	Teréga : LACAL - Pipeline Rehabilitation (Local Pirineos)	Maximum capacity of the VIP Pyrenees in the direction France $>$ Spain is 175 GWh/day.	Yes	366
From 8th to 30th July	Teréga : Mont - Compression maintenance (Local Pirineos)	Maximum capacity of the VIP Pyrenees in the direction France > Spain is 175 GWh/day.	Yes	367
From 23th August to 22th October	Various works of GRTGaz in the French system.	Maximum capacity of the VIP Pyrenees in the direction France $>$ Spain is 175 GWh/day.	Yes	368

enagas	ANNUAL PLAN – 2021 Maintenance Operations		November 30th	
	5 INTERN	ATIONAL CONNECTIONS	2.020	
5.5. C.I. BADAJOZ				
Date Period	Maintenance	Limitations	Users Refer. Affection Numb.	



5.- INTERNATIONAL CONNECTIONS

November
30th
2.020

5.6. C.I. TUY				
Date Period	Maintenance	Limitations	Users Affection	Refer. Numb.
First semester 4 días	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. Real transportation tests will be required.	No	370