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<ul style="list-style-type: none"> 1.- Regasification Plants <ul style="list-style-type: none"> 1.1. Bilbao Plant - BBG 1.2. Mugardos Plant - REGANOSA 1.3. Sagunto Plant - SAGGAS 1.4. Barcelona Plant - ENAGAS 1.5. Cartagena Plant - ENAGAS 1.6. Huelva Plant - ENAGAS 1.7. El Musel Plant - ENAGAS 	<p>The maintenance dates that prevent loading / unloading ship, loading at LNG trucks dock, significantly limit the emission capacity of the Plant, or impose important restrictions on Transportation, must be made viable in the previous monthly schedule.</p> <p>In general, operations that cause significant restrictions on the capacity of infrastructures to enter the System or Transportation during winter are not viable (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.</p>
<ul style="list-style-type: none"> 2.- Transport pipelines - Distribution networks <ul style="list-style-type: none"> 2.1. Transport Pipelines 2.2. Distribution networks 2.3. Compression Stations 2.4. In Line Inspección (ILI) 	<p>Maintenances or restrictions involving pipelines or Infrastructures for gas entry into the system, or restrictions at loading at LNG trucks dock, located in the same area of influence, won't simultaneously be programmed.</p>
<ul style="list-style-type: none"> 3.- Underground Storages <ul style="list-style-type: none"> 3.1. UGS Gaviota 3.2. UGS Serrablo 3.3. UGS Yela 3.4. UGS Marismas 	<p>In transport infrastructure operations involving pipeline interception and In-Line inspections, infrastructures for gas entry into the system may have to adjust their flows to the specific needs of these operations; in case of incompatibility, security of supply and loading_unloading operations of methane vessels or plant regasifications necessary to enable them are a priority.</p>
<ul style="list-style-type: none"> 4.- Gas fields and Biomethane <ul style="list-style-type: none"> 4.1. Viura field 4.2. Palancares Aznalcázar field 4.3. Valdemingómez Biomethane 	<p>The user term refers indistinctly to the shipper, the direct customer in the market or the final customer. The condition of affection to users will be reviewed each month in the monthly update of this document.</p>
<ul style="list-style-type: none"> 5.- International Connections. <ul style="list-style-type: none"> 5.1. CI Tarifa 5.2. CI Almería 5.3. CI Larrau 5.4. CI Irún 5.5. CI Badajoz 5.6. CI Tuy 	

1.- REGASIFICATION PLANTS

1.1. BILBAO PLANT – BBG

Date Period	Maintenance	Limitations
From 8th to 19th May	Preventive maintenance check of the High Tension Installation	Theoretical maximum production of 600,000 Nm ³ /h for 3 days. Limitation for refills by reducing the rate. Completed.
From 14th to 18th August	Maintenance of the Recovery System BOG	No loading & unloading activities of ships. Completed.
From 23rd of October to 3rd of November	Maintenance, review and cleaning of the seawater intake system, coinciding with the maintenance shutdown of the BBE combined cycle, and the lack of seawater supply.	It affects emission as there is no seawater available for the vaporizers. Regasification by means of a submerged combustion vaporizer. Maximum production of 180,000 Nm ³ /h.

1.- REGASIFICATION PLANTS

1.2. MUGARDOS PLANT – REGANOSA

Date Period	Maintenance	Limitations
17th of January	Inspection of ORV E-410.	Shutdown of one ORV from 07:00 to 19:00 hrs. Maximum emissions limited during this time slot, approximately 210,000 Nm3/hr. Completed.
20th and 21st of January	Inspection of ORV E-420.	Shutdown of one ORV from 07:00 to 19:00 hrs. Maximum emissions limited during this time slot, approximately 210,000 Nm3/hr. Completed.
27th and 28th of January 2023	Preventive maintenance of tank loading arms.	Unavailability of one of the two bays (from 06:00 to 15:00). This operation will be carried out over two days, alternating the bay. Completed.
From 24th to 31st of March	Annual maintenance of loading arms.	No loading and unloading activities for vessels (Jetty unavailability). Completed.
From 5th to 31st of March	Overhaul of seawater pump.	One of the three seawater pumps will be out of service. As there is no backup, in case of failure of any of the other two pumps, the limiting emission would be 210,000 Nm3/hr. Completed.
21st and 22nd of June	Maintenance of tank loading arms.	Unavailability of one of the two bays (from 06:00 to 15:00). This operation will be carried out over two days, alternating the bay. Completed.
16th of February	Inspection of ORV E-420.	Shutdown of one ORV from 07:00 to 19:00 hrs. Maximum emissions limited during this time slot, approximately 210,000 Nm3/hr. Completed.
14th of February	Inspection of ORV E-410.	Shutdown of one ORV from 07:00 to 19:00 hrs. Maximum emissions limited during this time slot, approximately 210,000 Nm3/hr. Completed.

1.- REGASIFICATION PLANTS

1.2. MUGARDOS PLANT – REGANOSA

Date Period	Maintenance	Limitations
23th and 24th May	Loading Arms Maintenance for Tankers	Unavailability of one of the two bays (From 06:00 to 15:00). This operation will be carried out in two days, alternating the bay. Completed.
From 12th to 16th of June	Quarterly maintenance of discharge arms	No loading & unloading activities of ships (Jetty Unavailability). Completed.
21st and 22nd of June	Loading Arms Maintenance for Tankers	Unavailability of one of the two bays (From 06:00 to 15:00). This operation will be carried out in two days, alternating the bay. Completed.
April 12	Inspection of ORV E-420	Stoppage of an ORV from 07:00 to 19:00 hrs. Maximum emission limited during this time slot approx. 210,000 Nm3/hr. Completed.
19th and 20th of July	Loading Arms Maintenance for Tankers (annual)	Unavailability of one of the two bays (From 06:00 to 15:00). This operation will be carried out in two days, alternating the bay. Completed.
From 7th to 11th of August	Plant technical stoppage Sea water system revision Safety loops test Substitution of gangway hoses Plant XSV's review	12-hour stoppages for 5 days. Completed.
18th of May	Inspection of ORV E-410	Stoppage of an ORV from 07:00 to 19:00 hrs. Maximum emission limited during this time slot approx. 210,000 Nm3/hr. Completed.
6th and 7th of June	Annual maintenance of lines and anchorage points unloading arms	No loading & unloading activities of ships (Jetty Unavailability). Completed.

1.- PLANTAS DE REGASIFICACIÓN

1.3. PLANTA REGANOSA

Date Period	Maintenance	Limitations
From 28th of August to 1st of September	Quarterly Maintenance of Unloading Arms	No loading and unloading activities for ships (Jetty unavailable). Completed.
5th September	Maintenance of Loading Arms for Tanks	Unavailability of one of the two bays (from 06:00 to 15:00). This operation will be carried out over two days, alternating the bay. Completed.
12th and 13th of September	Calibration of Loading Scales for Tanks	From 08:00 to 16:00 hrs. During this time both bays will be inoperable. Completed.
14th of November	Inspection of ORV E-410	Shutdown of one ORV from 07:00 to 19:00 hrs. Maximum emissions limited during this time frame approx. 210,000 Nm3/hr. Completed.
November 2 days	Maintenance of Loading Arms for Tanks	Unavailability of one of the two bays (from 06:00 to 15:00). This operation will be carried out over two days, alternating the bay
From 18th to 22nd of December	Quarterly Maintenance of Unloading Arms	No loading and unloading activities for ships (Jetty unavailable)
7th of August to 1st of September	Maintenance of Elec+Mec Compressor BOG K301C	No loading and/or ship cooling operations. Completed.
23rd of November to 22nd of December	Electrical Maintenance of Compressor BOG K301B	No loading and/or ship cooling operations

1.- PLANTAS DE REGASIFICACIÓN

1.3. PLANTA REGANOSA

Date Period	Maintenance	Limitations
25th to 30th of January	Testing for the adaptation of the jetty for small-scale vessel supply.	Loading and unloading unavailable. Completed.
15th and 16th of March	Maintenance work on tanker loading facilities.	One of the two loading facilities unavailable from 06:00 to 15:00. A maximum of 27 tankers/day (8.1 GWh/day) can be loaded. Thus, the available capacity would be reduced by at least 8 tankers/day. Completed.
24th of March	Maintenance on EM plant outlet line valve.	Reganosa needs to stop the emission due to maintenance work (12-hour shutdown). Completed.
20th and 21st of January	Maintenance work on tanker loading facilities.	One of the two loading facilities unavailable from 06:00 on January 20 to 03:00 on January 21. A maximum of 19 tankers/day (5.7 GWh/day) can be loaded, instead of the nominal capacity of 35 tankers/day (10.5 GWh/day). Completed.
From 25th to 30th of January	Testing for the adaptation of the jetty for small-scale vessel supply.	Loading and unloading unavailable. Completed.

1.- REGASIFICATION PLANTS

1.3. SAGUNTO PLANT – SAGGAS

Date Period	Maintenance	Limitations
From 11th of April to 16th of June	VAM 30H01B: concrete repair	Max emission 800,000 Nm ³ /h. Completed
From 17th of July to 13th August	Cleaning VAM	Max emission 800,000 Nm ³ /h. Aprox, one VAM per week. Completed
From 18th to 31st of July	Urgent corrective maintenance ESDVs discharge arms	No loading/unloading of ships. Urgent corrective maintenance on the ESDV's (discharge arms to check the internal controls of the same (loss of sealing). Complete.
From 14th of August to 27th of October	VAM A: Re-metalizing	Max emission 800,000 Nm ³ /h. Completed
From 28th of August to 1st of September	Corrective maintenance discharge arm 10J01A	No loading/unloading ships. Repair in one of arm ball joints 10J01A. Completed.
From 16th to 19th of October	Implantation of new chromatographs in pant	Pant unavailable for uploads/downloads. Completed.
From 15th of November to date to be defined	VAM E: concrete repair and safety valve revision	Nominal capacity limited to 800,000 nm ³ /h
21st November	VAM A: metalizing	Nominal capacity limited to 800,000 nm ³ /h.

1.- REGASIFICATION PLANTS

1.3. SAGUNTO PLANT – SAGGAS

Date Period	Maintenance	Limitations
Date to be defined 1 month	VAM B: metalizing	Limited nominal capacity to 800,000 nm3/h.
Date to be defined 1 month	VAM A: safety valves review	Limited nominal capacity to 800,000 nm3/h.
4th Quarter 1 day	Periodic ESD matrix testing	No plant emission, no tank loading, nor ship loading/unloading from 08:00 am to 03:00 pm
4th Quarter 12 hours	ESDVs Relicuator actuators replacement (30ESDV02006 and 30ESDV02020)	From 07:00 am to 07:00 pm. Maximum emission 200,000 Nm3/h.
Date to be Defined 1 day	Loading Trucks: Repair ESDV and LNG enter	From 8:00 am, unavailable loading trucks
Date to be defined	Loading Trucks: Change PLC	From 8:00 am, unavailable loading trucks (12 hours)
Date to be defined 3 days	Loading Trucks: Change load cells	From 8:00 am, unavailable one of the loading trucks bays

1.- REGASIFICATION PLANTS

1.4. BARCELONA PLANT – ENAGAS

Date Period	Maintenance	Limitations
From 6th to 10th of November	GNL/BOG Exchanger Installation	Total production limitation to 1,500,000 Nm3/h No vessel loading
From 20th to 23rd of March	A80 Hydraulic System Verification	No vessel loading/unloading at A80 jetty. Completed
From 8th of May to 1st of June	A263 Jetty Discharge Arm Renewal	No vessel loading/unloading at A263 jetty. Completed.
From 14th to 24th of January	Work on seawater collection systems and seawater collectors.	Emission max. 1,050,000 Nm3/h (approx. 300 GWh/day) From 08 h on S-14 to 15 h on M-24/01. Completed.
24th of January	Improvement works on A80 mooring.	No vessel loading/unloading at A80 jetty. Completed
From 11th to 14th of April	Restructuring of valve loops.	Maximum emission of 1,050,000 Nm3/h No loading/unloading of vessels. Completed.
From 13th of February to 6th of March	Work on South Box 3 pool and Pool 5	Maximum emission of 1,500,000 Nm3/h. Completed.



1.- REGASIFICATION PLANTS

1.4. BARCELONA PLANT – ENAGAS

Date Period	Maintenance	Limitations
From 7th to 9th of March	A263 Hydraulic System Verification.	No vessel loading/unloading at A263 jetty. Completed
November 21 days	Collection 5 Pool Cleaning	Total production limitation to 1,800,000 Nm3/h.
From 20th to 23rd of March	A80 Hydraulic System Verification.	No vessel loading/unloading at A80 jetty. Completed
From 14th to 24th of January	Works on seawater intake and collectors systems.	Emission limitation to 1,050,000 Nm3/h. Completed
27th and 28th of January	Compressor maintenance.	No vessel loading/unloading at A263 jetty. Completed
2nd and 3rd of February	Corrective maintenance on discharge arms.	No vessel loading/unloading at A263 jetty. Completed
7th and 9th of March	A263 Hydraulic System Verification.	No vessel loading/unloading at A263 jetty. Completed

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1.- REGASIFICATION PLANTS

1.4. BARCELONA PLANT – ENAGAS

Date Period	Maintenance	Limitations
7th and 8th of March	Upgrade SCD, SSD, and SSA.	No loading/unloading of vessels at A80 and A263. Requires stable production. Completed.
From 11th to 14th of April	Restructuring of valve loops.	Maximum emission of 1,050,000 Nm ³ /h No loading/unloading of vessels. Completed.
From 29th of May to 22th of June	New interconnections work in the Plant.	Renewal of unloading arms. Completed
From 8th of May to 1st of June	A263 pontoon unloading arms renovation	No loading and unloading of vessels at the jetty. Completed.
From 10th to 20th of August	Repair of valve in discharge arm A263. Corrective maintenance	Unavailable for ship loading/unloading. Completed.
From 21st to 28th of August	Hydraulic system verification A80	Unavailable for loading/unloading of vessels at jetty A80. Completed.
From 2nd to 4th of October	Hydraulic system verification A263	Unavailable for loading/unloading of vessels at jetty A263. Completed.



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1.- REGASIFICATION PLANTS

1.5. CARTAGENA PLANT – ENAGAS

Date Period	Maintenance	Limitations
From 9th of September 2022 to 28th of June 2023	Primary pump maintenance.	Limitation in loading vessel flow rate depending on emissions and plant conditions.
From 20th of February to 17th of March	Intake box 1 cuts.	Maximum V-step emission limitation. Completed
From 24th to 28th of April	Maintenance compressors.	No loading/unloading of vessels. Completed
20th April	LNG trucks scale maintenance and fire prevention maintenance.	10 hours, No LNG trucks. Completed
From 17th to 19th of May	Electric panel revamping.	Total plant shutdown for 6 hours with an impact on tanks (day 2). Emission limitation to 300,000 Nm ³ /h (day 2). No vessels for 3 days. Completed
From 28th of August to 29th September	Action on Arm A Pantalán 1.	No loading/unloading of vessels at Pantalán 1. Completed
From 3rd to 7th of July	Maintenance on the pier and compressors.	No loading/unloading of vessels. Completed



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1.- REGASIFICATION PLANTS

1.5. CARTAGENA PLANT – ENAGAS

Date Period	Maintenance	Limitations
November 13th to 17th	Maintenance on Pantalán and compressors	No loading/unloading of vessels
From 1st of August to be determined date	Incidence in secondary pumps	Emission limitation step VII
February 7th to 9th	Measurement on plant loops	Emission limitation to 450,000 Nm ³ /h (Step III) No vessel loading/unloading. Completed.
April 10th to 21st	Replacement of converters	Emission limitation to 900,000 Nm ³ /h. Completed.
From April 11th to 1st of August	Corrective maintenance on seawater collector A.	Due to an incident, only one seawater collector is available. Maximum emission 750,000 Nm ³ /h. Completed.
From 19th to 21st of July	Loop 2 Rotork Repairs	No loading/unloading of vessels at pontoon 1. Completed.
From 3rd to 7th of July	Distributed Control System Upgrade.	Emission max step III. Finished. Completed.



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1.- REGASIFICATION PLANTS

1.5. CARTAGENA PLANT – ENAGAS

Date Period	Maintenance	Limitations
26th and 27th of April	Test new emergency generator	Maximum emission step III. Completed.
From 20th to 22nd of June	Work on electrical panel NC-218	No loading/unloading of vessels. Plant shutdown last day. Completed.
From 24th to 29th of September	Correctives in secondary pumps and VAMs	Maximum production 600.000 Nm3/h. Completed.
From 12th to 17th of October	Corrective: seawater collector repair	Maximum emission step V. Completed.
14th November	DCS hardware replacement	Emission shutdown. No vessel operations.

1.- REGASIFICATION PLANTS

1.6. HUELVA PLANT – ENAGAS

Date Period	Maintenance	Limitations
From 20th to 22nd of February	Hydraulic system verification	No loading/unloading of vessels. Completed.
From 27th of February to 23th of March	Refurbishment of discharge arm.	No loading/unloading of vessels. Completed.
From 15th to 19th f May	Cleaning of seawater outfall I	Emission limitation to 1,050,000 Nm3/h. Completed.
From 10th to 14th of July	Cleaning of seawater outfall II	Emission limitation to 650,000 Nm3/h. Completed.
From 12th to 16th of June	Cleaning of seawater outfall III	Emission limitation to 1,050,000 Nm3/h. Completed.
From 27th of February to 23rd of March	Refurbishment of discharge arms.	No loading/unloading of vessels. Completed.
From 16th to 20th of October	Maintenance of electrical panels in substations	Limitation to 900,000 Nm3/h. Completed.



1.- REGASIFICATION PLANTS

1.6. HUELVA PLANT – ENAGAS

Date Period	Maintenance	Limitations
29th and 30th of November	SSA Update	No SSA system
4th October	SSD Update	Plant shutdown (Affects tanks). Completed.
24th October	DCS Update	Plant shutdown
13th and 14th of February	Intervention in LNG trucks Loading Dock A.	Availability of only one Tank Loading Dock C from 3:00 p.m. on February 13th to 10:00 p.m. on February 14th. Completed.
From 25th of September to 2nd of November	Renewal of discharge arms	No loading or unloading
13th and 14th of January	Repair of GNL locking valve in a tank loading dock.	Only one loading dock available from January 13th at 3:00 p.m. to January 14th at 10:00 p.m. The nominal without restriction is 17,402,700 kWh/d . Completed.

2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

2.1. TRANSPORT PIPELINES

Date Period	Maintenance	Limitations
From 28th to 31st of October	Variant 's Pajares	Cutting of the "León Oviedo" gas pipeline. The Mugardos and El Musel Plants will have to adapt their regasification to the isolated northwest area.
To be defined (6 hours)	Maintenance Position 15.31 Los Beatos (Cartagena)	Coordination with downstream customers will be arranged
To be defined (6 hours)	Maintenance Position 15.32 Valle de Escombreras (Cartagena)	Coordination with downstream customers will be arranged
To be defined (6 hours)	Maintenance Position 15.28.02 Espinardo-Murcia	Coordination with downstream customers will be arranged
To be defined (6 hours)	Maintenance Position 15.28.05 Totana Norte	Coordination with downstream customers will be arranged
From 6th to 8th of November	Variant of the Gas pipeline Ramal Totana Murcia in the municipality of Alcantarilla	Ramal Totana Murcia Shutdown

2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

2.1. TRANSPORT PIPELINES

Date Period	Maintenance	Limitations
To be defined (unspecified duration)	Sagunto Variant (PARTIAL PLAN OF THE SAGUNT II PARK AREA)	Puzol - Paterna Gas pipeline Shutdown
To be defined (unspecified duration)	Expansion of the third line in the EM of Position R06 (Golmayo)	To be coordinated with downstream customers
To be defined (3 days)	Insertion of new position Daganzo (J00)	Shutdown and inerting of Algete Yela Gas pipeline between Algete and J01 (Meco)
21st March	Valve change Line A UM S08.1	Coordination with downstream customers will be arranged Completed.
2nd semester	Nedgia. Valve Action RAB-00 Phase 1	Anillo A36 BCN Position (Planta-Besos-Papiol-Montmeló)
2nd semester	Nedgia. Valve Action RAB-00 Phase 2	Anillo A36 BCN Position (Planta-Besos-Papiol-Montmeló)
2nd quarter	Nedgia. Valve Action RAB-22	Quinto de Ebro Position 22 EPYSA
Date to be defined	Nedgia. Valve Action RAB-A6A Zuera	Position A6A Cogeneration



2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

2.1. TRANSPORT PIPELINES

Date Period	Maintenance	Limitations
Date to be defined	Nedgia. Action on RAB-00 Valves Phase 3	Position A36 BCN Ring (Plant-Besos-Papiol-Montmeló)
Date to be defined	Nedgia. Action on RAB-00 Valves Phase 4	Position A36 BCN Ring (Plant-Besos-Papiol-Montmeló)
Date to be defined	Nedgia. Modification of RAB-22 Network in Quinto	Position 22 EPYSA
Date to be defined	Nedgia. Modification of RAB-07 Network in La Canonja	Position EM-07 Reus

2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

2.2. DISTRIBUTION NETWORKS

Date Period	Maintenance	Limitations
2nd semester	NEDGIA. New network between RAA-07 and RAA-09.	Position ERM-09 Constantí.
2nd semester	NEDGIA. Valve actions in RAA-002.03 TORRELAVID.	Position 6 Subirats.
Date to be defined	NEDGIA. Relocation of the MOP 16 bar network (Position I015.1 Cullerredo).	Variant 4 - 1,800 meters. In the process of being connected to Autopista AP-NVI.
Date to be defined	NEDGIA. Relocation of the MOP 16 bar network (Position I014.3 Neda).	Variant 4- 250 meters, relocated by third parties.
Date to be defined	NEDGIA. New MOP 16 bar network (Position I015.1 Cullerredo).	New network.
Date to be defined	NEDGIA. New connections to the MOP 16 bar network (Position I015.1 Cullerredo).	Connection to an industrial estate.
Date to be defined	NEDGIA. New connections to the MOP 16 bar network (Position I014.3 Neda).	New connections to an industrial estate.



2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

2.2. DISTRIBUTION NETWORKS

Date Period	Maintenance	Limitations
Date to be defined	NEDGIA. Modification of the Regulation Installation - RAA 003.2 - POL. PRATENSE.	Position on Ring A36 BCN (Planta-Besos-Papiol-Montmeló).
Date to be defined	NEDGIA. Modification of the Regulation Installation - RAA-07.02 BELLISENS.	Position EM-07 Reus.
Date to be defined	NEDGIA. New network between Positions I014 and I015 (COIROS).	New network.

2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

2.3. COMPRESSION STATIONS

Date Period	Maintenance	Limitations
From 8th of February to 5th of April	EC Euskadour unavailable.	Incident with the electric transformers that supply power to the compressors of the Euskadour EC. VIP Pirineos capacity: Irún 30 GWh/day; Larrau 165 GWh/day. Completed.
From 26th of January to be defined	EC Coreses Assembly of Motor Compressor MC-3.	TC-3 unavailable.
From 25th of February to be defined	EC Almendralejo Assembly of Motor Compressor MC-1.	TC-1 unavailable. Completed.

2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

2.4. IN LINE INSPECTIONS (ILI)

Date Period	Maintenance	Limitations
From 17th to 20th of April	ILI Zarza de Tajo - Yela	Gas speed between 1 - 3 m/s. Feasibility based on the possibility of taking ILI flows in the Villar area. Completed
From 24th to 28th of April	ILI Yela - Tardajo Los Rábanos	Gas speed between 1 - 3 m/s. Direction based on availability of flows at CI Larrau. Completed
From 2nd to 5th of May	ILI Tradajo de los Rábanos - Villar de Arnedo	Gas speed between 1 - 3 m/s. Direction based on availability of flows from Villar towards Yela node. Completed.
From 22nd to 25th of May	ILI Planta de Cartagena - Callosa del Segura	Gas speed between 1 - 3 m/s. Need to modulate Cartagena Plant emissions during ILI. Completed.
From 6th to 10th of November	ILI Martos - Albolote	Gas speed between 1 - 3 m/s.
From 13th to 16th of November	ILI Ramal a Murcia. Callosa de Segura - Totana Sur	Gas speed between 1 - 3 m/s.
From 15th to 19th of May	ILI Agullent - Callosa del Segura	Gas speed between 1 - 3 m/s. Need to modulate Cartagena Plant emissions during ILI. Completed.
24th and 25th of May	Cleaning Pig 20" Boecillo > Coreses section (P004 - O011).	Gas speed and coordination with Dispatching. Completed.



2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

2.4. IN LINE INSPECTIONS (ILI)

Date Period	Maintenance	Limitations
From 30th of January to 2nd of February	ILI Zierbena - Badames.	Gas speed between 1-3 m/s. Completed.
From 7th to 9th of February	ILI Serrablo - Alcalá de Gurrea.	Associated with extraction period. Gas speed between 1-3 m/s. Completed.
10th February	AS Serrablo. ILI Pozo J17 > Nudo Jaca.	Associated with extraction period. Gas speed between 1-3 m/s. Completed.
From 3rd to 9th of July	REDEXIS. ILI SANSON "San Juan de Dios-Son Reus" (Delivery Point ENAGAS 15.20.6).	Plate, cleaning, caliper, MFL. Completed.
From 15th to 23rd of June	REDEXIS. ILI VENSAR "Vencillón - Sariñena" (Delivery Point ENAGAS 20.04).	Plate, cleaning, caliper, MFL. Completed.
From 10th to 21st of July	REDEXIS. ILI LINVI "Linares - Villacarrillo" (Delivery Point ENAGAS L-02.4).	Plate, cleaning, caliper, MFL. Completed.

2.- TRANSPORT PIPELINES - DISTRIBUTION NETWORKS

2.4. IN LINE INSPECTIONS (ILI)

Date Period	Maintenance	Limitations
13th and 14th of February	ILI 26 Almendralejo > Cáceres (N07 - O22).	Gas speed and coordination with Dispatching. Completed.
14th and 15th of February	ILI 26 Cáceres > La Granja (O22 - O18).	Gas speed and coordination with Dispatching. Completed.
15th and 16th of February	Cleaning Pig 26" La Granja - Doñinos section (O018 - O014).	Gas speed and coordination with Dispatching. Completed.
16th and 17th of February	Cleaning Pig 26" Doñinos > Coreses section (O014 - O011).	Gas speed and coordination with Dispatching. Completed.
21st and 22nd of February	Cleaning Pig 20" Coreses > Benavente section (O011 - O009)	Gas speed and coordination with Dispatching. Completed.
23rd and 24th of May	ILI 20 Valverde de la Virgen <> Coreses (O06 <> O11)	Gas speed and coordination with Dispatching. Completed.



3.- UNDERGROUND GAS STORAGE

3.1. UGS GAVIOTA

Date Period	Maintenance	Limitations
14th and 15th of February	Leak Tightness Tests for Bottom Valves and Wellheads	Total Injection/Extraction Unavailability. Completed.
7th and 8th of June	Leak Tightness Tests for Bottom Valves and Wellheads.	Total Injection/Extraction Unavailability. Completed.
From 30th of March to 11th of April	TC-3 platform unavailable.	Injection max 36 GWh/day. Completed.
From 18th to 23rd of April	TC-3 HPC outer axial bearing temperature sensor TC-3	Unavailable TC-3 on platform. Completed.



3.- UNDERGROUND GAS STORAGE

3.2. UGS SERRABLO

Date Period	Maintenance	Limitations
From 10th of June to be determined date	Workover J17.	Maximum injection flow rate 30 GWh/day.
From 13th to 15th of February	Extraction test J18	Need for extraction. Completed.
From 17th to 21st of April	Repair of a leaking hydraulic control line in well J-2.	Well J-2 is unavailable. Completed.



3.- UNDERGROUND GAS STORAGES

3.3. UGS YELA

Date Period	Maintenance	Limitations
From 6th to 10th of February	NPL+BOTTOM UP External Campaign.	Extraction required. Completed.
From 20th to 24th of March	Electrical Discharge.	Injection Unavailability during Extraction period. Completed.
From 22nd of May to 7th of November	Workover Y3 and Y4.	Full injection/extraction availability.



3.- UNDERGROUND GAS STORAGES

3.4. UGS MARISMAS

Date Period	Maintenance	Limitations
From 1st to 30th of April	Scheduled maintenance.	AS unavailable. Completed
From 1st to 31st of October	Scheduled maintenance.	AS unavailable.



4.- GAS FIELDS AND BIOMETHANE

4.1. VIURA FIELD

Date Period	Maintenance	Limitations
From 31st of March to 15th of May	Pressure equipment review. Interior tank cleaning.	Yac unavailable. Completed.
From 15th of November to 1st of December	Rig assembly.	Yac unavailable. Completed.
From 30th of August to 2nd of October	Scheduled maintenance in different units. Inspection of pressure equipment. Installation of oil pump in Chiller unit.	Yac unavailable. Completed.



4.- GAS FIELDS AND BIOMETHANE

4.2. PALANCARES AZNALCÁZAR FIELD

Date Period	Maintenance	Limitations
From 20th of May to 4th of September	Scheduled maintenance.	Yac. unavailable. Completed.
From 31th of October to 8th of November	Scheduled maintenance.	Yac. unavailable.



4.- GAS FIELDS AND BIOMETHANE

4.3. VALDEMINGÓMEZ BIOMETHANE

Date Period	Maintenance	Limitations
From 1st to 22nd of February	General preventive maintenance. Corrective maintenance on the gasometer.	Emission cessation. Completed



5.- INTERNATIONAL CONNECTIONS

5.1. C.I. TARIFA

Date Period	Maintenance	Limitations



5.- INTERNATIONAL CONNECTIONS

5.2. C.I. ALMERIA

Date Period	Maintenance	Limitations
16th and 17th of June	Medgaz. Scheduled maintenance	Zero flow from 06:00 on 16/06 until 18:00 on 17/06. Zero capacity on 16/06 and up to 169 GWh on 17/06. Completed.
17th to 27th of June	Medgaz. In Line Inspection ILI Beni Saf - Almería	Under analysis (Medgaz) of specific flow needs and commercial impact. Completed.

5.- INTERNATIONAL CONNECTIONS

5.3. C.I. LARRAU

Date Period	Maintenance	Limitations
17th of May	Various works by GRTgaz in the French system.	Maximum VIP Pirineos capacity in the direction of France > Spain is 175 GWh/day. Completed.
From 22nd of May to 31st of July	Various works by GRTgaz in the French system. Terega, EC Sauveterre maintenance.	Maximum VIP Pirineos capacity in the direction of France > Spain is 175 GWh/day. Completed.
From 4th of September to 13th of October	Various works by GRTgaz in the French system. Terega, EC Barbaria maintenance.	Maximum VIP Pirineos capacity in the direction of France > Spain is 175 GWh/day. Completed.
From 16th to 20th of October	Various works by GRTgaz in the French system.	Maximum VIP Pirineos capacity in the direction of France > Spain is 175 GWh/day. Completed.
From 23rd to 27th of October	Various works by GRTgaz in the French system.	Maximum VIP Pirineos capacity in the direction of France > Spain is 175 GWh/day. Completed.
From 12th to 27th of June	Terega. ILI in LACAL area.	8 pistons scheduled. Need to adjust flows in Larrau CI (approx. 200,000 Nm ³ /h) during inspection. Agreed direction FRA > ESP. Completed.
From 24th to 26th of October	Terega. ILI in LACAL area.	Need to adapt flows in CI Larrau (approx. 200,000 Nm ³ /h) during the route. Agreed direction ESP > FRA. Completed.

5.- INTERNATIONAL CONNECTIONS

5.4. C.I. IRÚN

Date Period	Maintenance	Limitations
17th of May	Various works by GRTgaz in the French system.	Maximum VIP Pirineos capacity in the direction of France > Spain is 175 GWh/day. Completed.
From 22nd of May to 31st of July	Various works by GRTgaz in the French system. Terega, EC Sauveterre maintenance.	Maximum VIP Pirineos capacity in the direction of France > Spain is 175 GWh/day. Completed.
From 4th of September to 13th of October	Various works by GRTgaz in the French system. Terega, EC Barbaria maintenance.	Maximum VIP Pirineos capacity in the direction of France > Spain is 175 GWh/day. Completed.
From 16th to 20th of October	Various works by GRTgaz in the French system.	Maximum VIP Pirineos capacity in the direction of France > Spain is 175 GWh/day. Completed.
From 23rd to 27th of October	Various works by GRTgaz in the French system.	Maximum VIP Pirineos capacity in the direction of France > Spain is 175 GWh/day. Completed.
From 8th of February to 5th of April	Transport capacity limited in the IC of Irún.	See Order nº 605 (See section 2.3. Compression Stations). Completed

5.- INTERNATIONAL CONNECTIONS

5.5. C.I. BADAJOZ

Date Period	Maintenance	Limitations
From 10th of February to date to be defined	REN. Remodeling of CTS7000 position in Campo Maior.	No restrictions on transportation capacities.
From 15th of May to 11th of August	Repair defect in tramop JCT 08100/Pego and JCT 08200/S. M. da Coutada	Import/export limitation. Completed.



5.- INTERNATIONAL CONNECTIONS

5.6. C.I. TUY

Date Period	Maintenance	Limitations
From 18th to 26th os July	REN. Provisional repair of gas pipeline defect CI Tuy	IQ unavailable. Completed.
From 25th to 28th of September	REN. Definitive repair of gas pipeline defect. CI Tuy	IQ unavailable. Completed.