

Annex B: Table 2 – Management and Mitigation Measures for the Project: Construction and commissioning of new above ground facilities

No	Management and mitigation measures	Project Phase	Impact to be addressed by the measure	Monitoring	Responsibilities	KPI
Air Quality						
1.	New medium combustion plants (MCPs) with a rated thermal input equal to or greater than 1 MW and less than 50 MW regardless of the type of fuel used and operating no more than 500 operating hours per year, as a rolling average over a period of three years, may be exempted from the obligation to comply with the emission limit values set out in Part 2 of Appendix 1 to the <i>Ordinance on the limitation of emissions of certain pollutants into the air from medium combustion plants</i> (MCP Ordinance). In accordance with the requirements of Articles 16 and 19 of the MCP Ordinance, Bulgartransgaz EAD shall declare in writing to the Minister of Environment and Water that the above circumstances are met and that it intends to benefit from the relevant derogation.	For the Design Phase:	Compliance with the regulatory requirements regarding air purity	Monitoring the annual number of operating hours of the MCP.	Bulgartransgaz EAD	CMP operating hours annual report.
2.	In order to limit the harmful emissions of exhaust gases into the atmosphere and minimize the negative impact on the ambient air in the area, a Traffic management plan shall be developed. Protecting air and workers' health from excess exhaust emissions from construction and transport equipment - keep construction and transport equipment in good working condition. Fuel and oil leaks shall be avoided.	Construction	Harmful emissions of exhaust gases into the atmosphere and the negative impact on the ambient air in the region. Excessive exhaust emissions from construction and transport equipment	Monitoring the plan and scheme availability.	Bulgartransgaz EAD, Primary suppliers	All vehicles used are to be maintained according to the manufacturers requirements and the Traffic management plan.

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3.	In order to limit this possible impact, the chassis of heavy goods vehicles shall be kept clean and road pollution on the national road network shall not be allowed, and immediately before accessing the network, the chassis of the vehicles shall be cleaned with water.	Construction	Contamination of the asphalt road surface with dust which will generate additional dust emissions from vehicle traffic.	Daily control of the cleanliness of heavy goods vehicles.	Bulgartransgaz EAD, Primary suppliers	Maintaining the necessary documentation proving the compliance of construction and transport equipment (Log book).
4.	Limiting harmful emissions of exhaust gases into the atmosphere and minimizing the negative impact on the ambient air in the area - the envisaged equipment and means of transport must comply with the requirements of Ordinance No 10 of 7 December 2004 on ensuring occupational health and safety in the use of electric forklifts and forklift trucks - measures to reduce gaseous and particulate pollutants from combustion engines installed on off-road and construction machinery.	Construction Operation	Harmful emissions of exhaust gases into the atmosphere and possible negative impact on the ambient air in the region.	Daily control	Bulgartransgaz EAD, Primary suppliers	Maintaining the necessary documentation proving the compliance (technical inspection).
6.	Avoiding spillage, breakage and crushing of these materials which subsequently become additional sources of fugitive dust emissions. Protecting the air, soil and health of workers and the community in the region. When transporting, loading, unloading, storing and processing solid dust materials (excavated earth, construction materials, construction waste, etc.), the requirements for limiting dust emissions in accordance with the provisions of Article 70 of Ordinance No. 1 of 27 June 2005 on emission limit values for harmful substances (pollutants) emitted into the atmosphere from sites and activities with stationary emission sources shall be complied with.	Construction Operation	Additional sources of fugitive dust emissions. Protecting the air, soil and health of workers and the community in the region.	Daily monitoring of compliance with the provisions of Article 70 of Ordinance No 1 of 27 June 2005. Instruction for transportation, loading, unloading, storage and processing of solid powder materials and its application	Bulgartransgaz EAD, Primary suppliers	Zero exceedance of Article 70 of Ordinance No 1 of 27 June 2005 limits based on daily monitoring.

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7.	Reducing the harmful gases in the atmosphere. The operating mode of construction and transport machinery shall not allow idling of engines.	Construction	Harmful gases in the atmosphere. Protecting the air and health of workers and the community in the region.	Daily monitoring for idling machines	Bulgartransgaz EAD, Primary suppliers	Daily control log.
8.	Reducing air dust pollution. Protecting the health of workers and the community in the region. Using moisture (mobile) installation to suppress dust emission during the relevant operations (loading and unloading, excavation, bulk, etc.)	Construction	Dusting of ambient air.	Daily control on the use of moisture (mobile) installation to suppress dust emission during the relevant operations (loading and unloading, excavation, bulk, etc.)	Bulgartransgaz EAD, Primary suppliers	Daily control log.
9.	Avoiding excessive dust emissions when handling dust materials. Storage areas for bulk materials (mainly sand and earth) and construction waste shall be watered in dry and windy weather.	Construction / Upon specific weather conditions	Excessive dust emissions when handling dust materials.	Daily control on the use of moisture (mobile) installation to suppress dust emission during the relevant operations (loading and unloading, excavation, bulk, etc.)	Bulgartransgaz EAD, Primary suppliers	Daily control log.

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10.	Protecting the air from wind erosion of particulate matter. Immediately following the completion of the construction works, the storage areas for bulk construction materials shall be cleared.	After construction completion	Wind erosion of particulate matter.	Check for proper removal of bulk materials from the respective areas after works completion of works	Bulgartransgaz EAD, Primary suppliers	Instruction under item 7
11.	Limiting emissions of harmful substances into the ambient air by complying with the requirements of the Ordinance on the limitation of emissions of certain pollutants into the air from medium combustion plants.	Operation	Harmful substances emissions into the ambient air	Monitoring of emissions to ambient air from CMP.	Bulgartransgaz EAD	Annual monitoring reports from an accredited laboratory to achieve zero exceedance.
GHG emissions						
12.	Pursuant to Article 15(1) of the Ordinance on the procedure for issuance and review of permits for greenhouse gas emissions from installations and for monitoring by operators of installations and aviation operators participating in the EU Emissions Trading Scheme, the operator Bulgartransgaz EAD as a holder of Greenhouse Gas Emission Permit (GEGP) No 85/2009 shall notify the Executive Environment Agency of an envisaged change in the operation of the installation, including a change in the characteristics and/or operation of the installation; the capacity of the installation, as indicated in its up-to-date GEGP; the type and/or quantity of raw and auxiliary materials used and the sources of greenhouse gas emissions.	Prior to and during construction, and prior to commissioning	Limiting climate change	Submitting an application for revision of the Chiren UGS's GEGP in connection with the commissioning of the new site.	Bulgartransgaz EAD	GEGP and PM Verified GHG annual reports.

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13.	In connection with any change in the capacity, activity level or operation of the installation that is relevant for the allocation of allowances to the installation, pursuant to Article 44 para 4 of the Climate Change Mitigation Act, one year following the commencement of normal operation, the operator shall submit to the competent authority a form "Request for amendment of the number of allowances allocated free of charge".	During operation	Limiting climate change	Submitting an Application for changing the number of allowances allocated free of charge" one year after the start of normal operation of the installation.	Bulgartransgaz EAD	GEGP and PM Verified GHG annual reports.
Water						
Surface water						
14.	If procedures under the Water Act related to water abstraction from surface water bodies are required to be carried out, such shall be carried out and completed prior to site commissioning.	For the Design Phase:	Water protection	Checking weather procedures under the Water Act are required to be conducted	Bulgartransgaz EAD	Timely completion of the procedures under the Water Act and issuance of permits where necessary.
15.	During the hydraulic test of the pipeline branches and gatherings, no chemical or other substances and mixtures (additives or water treatment reagents) shall be added to the used water that would change the chemical composition of the used water.	Prior to and during construction, and prior to commissioning	Water protection	Checking the compliance with the requirement i.e. not to add any chemical or other substances and mixtures to the water used.	Bulgartransgaz EAD, Primary suppliers	Documented provision of instructions to contractor and receipt of hydraulic test report

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16.	Conducting own monitoring and on the basis of Article 174 para. 1 and Article 188 para. 1 item 5 of the Water Act when conducting the hydraulic test (hydrotest).	Construction works	Protecting the ecological and chemical status of the surface waters	Conducting own monitoring of the chemical composition of the water used by analysis in an accredited laboratory.	Bulgartransgaz EAD, Primary suppliers	Monitoring reports (before and after the hydrotest) from an accredited laboratory.
17.	In the event that the water during the hydraulic test (hydrotest) fails to meet the requirements of Article 3(1) of Ordinance No 2/8.06.2011 on the issuance of permits for waste water discharge into water bodies and the determination of individual emission limits of point sources of pollution for returnable waters (established by monitoring data), actions shall be taken for the issuance of a waste water discharge permit;	Construction	Protecting the ecological and chemical status of the surface waters	Conducting own monitoring of the chemical composition of the water used by analysis in an accredited laboratory.	Bulgartransgaz EAD	Monitoring reports (before and after the hydrotest) from an accredited laboratory.
18.	The requirements of the permits for water abstraction from surface water and use of a water body for the discharge of waste water shall be complied with.	Construction works	Protecting the ecological and chemical status of the surface waters	Periodic monitoring in relation to the implementation of the conditions set out in the water abstraction and waste water discharge permits.	Bulgartransgaz EAD, Primary suppliers	Monitoring protocols and reports on the implementation of permit conditions.
19.	In accordance with Article 131 of the Water Act, spills and leaks of petroleum products and other pollutants occurring on the CS site shall be immediately captured and treated in order to prevent their entry into the rainwater drain and hence into the surface water body. The site emergency	Operation	Protecting surface waters from contamination and protecting water bodies from	Daily checks for petroleum spills on the operational site.	Bulgartransgaz EAD, Primary suppliers	Spills log book.

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	plan shall provide for appropriate actions to deal with such situations and provide for appropriate spill and leak response equipment and materials.		contamination and damage			
Groundwater						
20.	The design and construction shall comply with the prohibitions in Article 46, para 2 and Article 118(a) para 1(2), (3) and (4) of the Water Act in order to ensure design prerequisites to avoid significant adverse effects on groundwater	Design and construction	Avoiding significant adverse effects on groundwater	Continuous monitoring on the compliance with the prohibitions in Article 46, para 2 and Article 118(a) para 1(2), (3) and (4) of the Water Act.	Bulgartransgaz EAD, Primary suppliers	Investment design prepared and approved in accordance with the regulatory requirements Documenting the monitoring activities

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21.	Prohibitions and restrictions set out in the RBMP 2016-2021 shall be complied with regarding IP: - Prohibition of carrying out activities leading to discharge of hazardous substances into groundwater; Prohibition or restriction of activities that increase the risk of direct or indirect discharge of priority and hazardous substances or other pollutants into groundwater, including the discovery of groundwater at the surface, through the removal of sediments and soils covering the water body.	Design and construction	Avoiding significant adverse effects on groundwater	Continuous monitoring on the compliance with the prohibitions and set out in the RBMP 2016-2021 relevant to the IP.	Bulgartransgaz EAD, Primary suppliers	Reports on compliance with the requirements of the permits issued under the Water Act.
22.	Prevention in order to avoid adverse effects on groundwater - the requirements of the permits for the use of the groundwater body for reinjection in well P15 of the separated formation water shall be complied with.	Operation	Avoiding significant adverse effects on groundwater	Periodic monitoring in connection with the implementation of the conditions set out in the permit for the use of a groundwater body for reinjection in well P15.	Bulgartransgaz EAD	Reports on compliance with the requirements of the permits issued under the Water Act.
23.	Prevention in order to protect the quality of drinking water - a water analysis from well TK2 Chiren, managed by VIK OOD - Vratsa, shall be carried out twice a year in the	Operation	Avoiding significant adverse effects on the drinking water	Daily monitoring for drinking water analysis in an	Bulgartransgaz EAD	Reports from the accredited laboratory, twice a year.

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	withdrawal season in order to assess the impact in the overlying Aptian aquifer.			accredited laboratory.		
Soils						
24.	The construction activities for the implementation of the investment proposal shall be carried out within the site of the envisaged compressor station and within the easements of the gatherings, the connection to the flare and the transport connections.	Construction works	Protecting adjacent lands and soils from contamination	Periodic walkover and inspection of the site envisaged for the compression station and the easements of the gatherings, the connection to the flare and the transport connections.	Bulgartransgaz EAD, Primary suppliers	Inspection results log.
25.	The humus shall be removed and stored under the conditions regulated by the Soil Act and its use for reclamation, in accordance with the requirements of Ordinance No 26/02.12.1996 on reclamation of damaged terrains, improvement of low-productive lands, removal and utilization of the humus layer	Construction works	Protecting the humus layer. Using the humus in the reclamation of damaged lands	Verification of the conditions for removal and storage of humus.	Bulgartransgaz EAD, Primary suppliers	Documenting the activities related to the humus removal and storage, which will be included in recultivation plan.
26.	Avoiding soil contamination with construction materials and waste - storage and use of construction materials in a manner that prevents soil contamination and damage.	Construction	Protecting soils from contamination by construction materials and other waste.	Regular inspection for contamination of soils with construction materials and waste.	Bulgartransgaz EAD, Primary suppliers	Instruction under item 5

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27.	Avoiding soil contamination with petroleum products. Construction equipment repairs, refuelling and servicing shall be carried out only in designated areas.	Construction works	Protecting soils from contamination with petroleum products.	Daily checks for petroleum spills on the construction site.	Bulgartransgaz EAD, Primary suppliers	Instruction under item 5
28.	In the event of local contamination of soils with fuels and oils in case of accidents of the used machinery, the contaminated areas shall be treated in accordance with the Waste Management Act (WMA) - the contaminated soils shall be removed and transported to the waste disposal site holding a document under Article 35 of the WMA.	Construction	Protecting adjacent lands and soils from contamination.	Daily checks for petroleum spills on the construction site.	Bulgartransgaz EAD, Primary suppliers	Instruction under item 5
29.	In the event of a spill of petroleum products and fuels due to unforeseen events, contaminated soils shall be immediately removed and remedy actions shall be taken.	Construction and operation	Reclamation of contaminated soils and preventing deep penetration of contaminants	Daily checks for petroleum spills on the operational site.	Bulgartransgaz EAD, Primary suppliers	Instruction under item 5
30.	Soils trampled by construction equipment during construction and maintenance of facilities and infrastructure shall be restored using appropriate best practices.	Construction and operation	Prevention of soil compaction and other processes damaging the soil profile	Checking for the presence of soils compacted by the construction equipment.	Bulgartransgaz EAD, Primary suppliers	Instruction under item 5
31.	Reclamation of lands damaged by the construction works in accordance with the requirements of Ordinance No 26/02.12.1996 on reclamation of damaged terrains, improvement of low-productive lands, removal and utilization of the humus layer	Construction works	Restoring damaged lands	Check for compliance with the requirements of Ordinance No 26/02.12.1996.	Bulgartransgaz EAD, Primary suppliers	Recultivation plan

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Subsoil and mineral diversity						
32.	Conducting engineering and geological surveys and studies according to the requirements of Ordinance No. 4 of 21 May 2001 on the scope and content of investment designs	Design	Providing information to justify design decisions that ensure elimination or minimisation of adverse effects on the subsoil	Check for compliance with the requirements of Ordinance No 4 of 21 May 2001.	Bulgartransgaz EAD, Primary suppliers	Engineering and geological survey report
33.	Strict compliance with the technical requirements of the flat foundation design standards, including those for special degradable soils, in accordance with Ordinance No 1 of 10 September 1996 on flat foundation design.	Design	Design prerequisites to avoid significant adverse effects on subsoils	Check for compliance with the requirements of Ordinance No 1 of 10 September 1996 for flat foundation design.	Bulgartransgaz EAD, Primary suppliers	Investment design prepared and approved in accordance with the regulatory requirements
34.	Environmentally sound collection and treatment of household and construction waste	Construction and operation	Protecting the subsoil from contamination	Regular checks on the proper management of household and construction waste	Bulgartransgaz EAD, Primary suppliers	Waste report books
35.	Contaminated land from accidental spills of petroleum products and other hazardous substances and materials shall be removed immediately.	Construction and operation	Protecting the subsoil from contamination	Daily checks for petroleum spills on the construction site.	Bulgartransgaz EAD, Primary suppliers	Spills log book
36.	Maintaining and permanently controlling site and rainwater drain, water pipes, gas gatherings, road connections, etc.	Operation	Protecting the subsoil from contamination		Bulgartransgaz EAD	Instruction for the implementation of the measure.

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37.	The slope parameters of the construction excavations and embankments shall comply with the regulatory requirements in the Rules for the Acceptance of Earthworks and Earth Structures.	Design and construction	Protecting the subsoil from mechanical damage	Checking compliance with the regulatory requirements set out in the Rules for the Acceptance of Earthworks and Earth Structures.	Bulgartransgaz EAD, Primary suppliers	Investment design prepared and approved in accordance with the regulatory requirements
38.	The Contracting Authority shall apply the requirements and conditions to the operation of the installations on the site, set out in the Emergency Plan, the Safety Report and the Complex Permit, as well as to report any emergency situations to the relevant control authorities.	Operation	Restoring and protecting the subsoil from contamination	Regular checks on the implementation of the conditions set out in the Emergency Plan, the Safety Report and the Complex Permit.	Bulgartransgaz EAD	Emergency Plan, Safety Report and Complex Permit
Landscape and natural objects						
39.	Providing suitable plant species in the reclamation design	Construction and operation	Reducing the visual impact	Verifying the reclamation design for the availability of suitable vegetation species.	Bulgartransgaz EAD	Recultivation plan
40.	Reclamation of the lands damaged by the construction works in accordance with the requirements of Ordinance No 26/02.12.1996 n reclamation of damaged terrains, improvement of low-productive lands, removal and utilization of the humus layer, prom. SG, issue 89/22.10.1996, last amend. SG, No 22/2002	Construction	Acceptable landscaping of damaged lands	Check for compliance with the requirements of Ordinance No 26/02.12.1996.	Bulgartransgaz EAD, Primary suppliers	Recultivation plan

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Biodiversity						
41.	Prior to the commencement of the construction works, the Contracting Authority shall conduct a field survey of each specific section where the investment proposal will be implemented, engaging biology experts to envisage actions to reduce mortality and prevent the loss of conservation significant plant and animal species and their habitats, including ground-nesting birds, bats, reptiles, mammals and slow-moving species.	Prior to and during construction, and prior to commissioning	Conservation of biodiversity	Site-specific field surveys by hiring expert biologists prior to the commencement of the construction activities.	Bulgartransgaz EAD, Primary suppliers	Survey Report and Protocols
42.	Prior to the commencement of the construction works, staff training shall be carried out regarding the strict compliance with the Biodiversity component.	Prior to and during construction, and prior to commissioning	Biodiversity conservation	Conducting staff training regarding the strict compliance with the measures regarding the Biodiversity component prior to commencement of construction activities.	Bulgartransgaz EAD	Training attendance list
43.	Prior to the commencement of the construction works, temporary fencing of the terrain shall be provided to prevent the passage or entry of animals within the construction site.	Prior to and during construction, and prior to commissioning	Biodiversity conservation	Checking for the presence of temporary fences to prevent the passage or entry of animals within	Bulgartransgaz EAD, Primary suppliers	Protocol on the executed activities.

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				the construction site before the start of construction activities.		
44.	When carrying out excavation activities for the clearing of the construction site, the provisions of Article 38 of the Biodiversity Act shall be complied with, and necessary measures shall be taken to avoid, prevent or mitigate any perceived adverse impacts on flora and fauna.	Prior to and during construction, and prior to commissioning	Biodiversity conservation	Checking of compliance with the requirements of Article 38 of the Biodiversity Act.	Bulgartransgaz EAD, Primary suppliers	Protocol on the executed activities.
45.	Vegetation removal in preparation for construction and maintenance of easements shall not be carried out during the bird breeding season (April - July).	Prior to and during construction, and prior to commissioning	Biodiversity conservation	Strict control during vegetation removal in preparation for construction and maintenance of easements as such shall not be carried out during the bird breeding season (April - July).	Bulgartransgaz EAD, Primary suppliers	Protocol on the executed activities.
46.	Prior to and during construction, if specimens of slow-moving protected species of amphibians, reptiles and smaller mammals are found, they shall be promptly relocated to suitable habitat nearby.	Prior to and during construction, and prior to commissioning	Biodiversity conservation	Check and control during construction for the presence of slower moving	Bulgartransgaz EAD, Primary suppliers	Protocol on the executed activities, if necessary.

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				protected species of amphibians, reptiles and smaller mammals.		
47.	<p>Using only native species for biological restoration of damaged lands due to construction activities and implementing strict measures against the introduction of invasive alien species. Species included in the list of invasive alien species in Regulation 1143/2014 that affect the European Union shall not be used. The list is available on the MOEW website: https://www.moew.government.bg/bg/priroda/biologichno-raznoobrazie/nemestni-i-invazivni-chujdi-vidove/invazivni-chujdi-vidove/</p> <p>Using only native species for landscaping and implementing strict measures against the introduction of invasive alien species.</p>	Construction Operation	<p>Preserving the indigenous character of plant life.</p> <p>Preventing the spread of alien invasive plant species into the area which may enter and gradually lead to a disturbance of the species composition of the vegetation in the area.</p>	Control over the species used for reclamation and in the implementation of measures against the introduction of invasive alien species.	Bulgartransgaz EAD, Primary suppliers	Recultivation plan
48.	Vegetation removal in preparation of the construction site shall not be carried out during the bird breeding season (April - July).	Prior to the construction	Minimizing the loss of individuals and disturbance in birds	Strict control during vegetation removal in preparation for construction as such shall not be carried out during the bird breeding season (April - July).	Bulgartransgaz EAD, Primary suppliers	Protocol on the executed activities.

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Cultural and historical heritage						
49.	Field investigations of archaeological sites shall be carried out in accordance with the requirements of the Cultural Heritage Act (CHA).	Prior to the construction	Preventing the destruction of archaeological sites or structures.	Check for compliance with the requirements of the Cultural Heritage Act.	Bulgartransgaz EAD, Primary suppliers	Archaeological survey plan
50.	During the implementation of the investment proposal, all excavation activities shall be carried out under the supervision of an archaeologist, in accordance with the requirements of Article 161, para 2 of CHA. If archaeological sites are discovered, Articles 148 and 160 of the CHA shall be applied.	Construction	Preventing the destruction of archaeological sites or structures.	Check for compliance with the requirements of the Cultural Heritage Act.	Bulgartransgaz EAD, Primary suppliers	Archaeological survey plan
Waste						
51.	All waste generated during the construction and installation works shall be collected and stored in an appropriate manner at designated locations. Excavated earth shall be transported to a designated construction waste disposal site agreed with the municipal authorities.	During design and construction	Preventing the risk of waste contamination of adjacent areas.	Checking the implementation of proper construction waste management.	Bulgartransgaz EAD, Primary suppliers	Waste report books
52.	Waste Management Plan (CWMP) shall be prepared and strictly implemented in accordance with Article 11 of the WMA.	During design and construction	Preventing the risk of waste contamination of adjacent areas.	Checking the implementation of CWMP	Bulgartransgaz EAD, Primary suppliers	WMP
53.	Generated hazardous waste shall be handed over as a priority for recovery/recycling, and in case of impossibility -	During construction and operation	Preventing the risk of waste contamination.	Checking the implementation of proper	Bulgartransgaz EAD, Primary suppliers	Report books, protocols and identification

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	for disposal to licensed companies, according to a signed contract.			construction waste management.		documents and contracts for waste hand-over.
54.	The generated household waste shall be handed over to persons holding documents under Article 35 of the WMA.	During construction and operation	Preventing the pollution with hard household waste both at Chiren UGS site and on the adjacent area.	Checking the implementation of proper construction waste management.	Bulgartransgaz EAD, Primary suppliers	Waste report books and waste hand-over contracts.
55.	Appropriate waste transportation regime shall be provided for in order to prevent environmental pollution.	During construction.	Preventing environmental pollution.	Checking the implementation of proper construction waste management.	Bulgartransgaz EAD, Primary suppliers	Waste hand-over contracts.
56.	A system for organised collection, separation and transportation of waste from the entire area of the newly formed underground gas storage site shall be implemented.	During operation.	Preventing environmental pollution.	Checking the implementation of proper construction waste management.	Bulgartransgaz EAD	Instructions under the Complex Permit.
57.	Containers required for collection and storage of the generated waste shall be provided for. Such containers shall be closed, allowing no spills. Measures shall be taken according to the properties of the waste so as to be marked with the name and code according to the regulations.	Operation.	Preventing pollution in the area of the investment proposal.	Checking the implementation of proper construction waste management.	Bulgartransgaz EAD	Waste site layout scheme.
Health and hygiene aspects						
58.	The regulatory requirements for ambient air quality and harmful physical factors, including noise and vibration, shall not be exceeded in the area of the sites subject to health protection located near the area of the IP.	During construction and operation	Protecting the health of the community in the vicinity of the IP site	Monitoring the compliance with emission standards.	Bulgartransgaz EAD, Primary suppliers	Own monitoring protocols.

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59.	Occupational health and safety (OHS) on the work site shall be ensured and, where necessary, the use of personal protective equipment, such as ear muffs when carrying out noise emitting activities.	Construction and operation	Protecting the health of workers at the IP site:	Checking the OHS compliance on the territory of the work site and the use of personal protective equipment.	Bulgartransgaz EAD, Primary suppliers	Report of an inspection under OHS and for the presence and serviceability of personal protective equipment.
Tangible assets						
60.	Timely rehabilitation of road infrastructure elements on the territory of Vratsa Municipality, damaged in connection with the construction and operation of the IP.	Construction and operation	Restoring road infrastructure elements damaged in connection with the IP	Inspection of the road infrastructure in Vratsa Municipality.	Bulgartransgaz EAD, Primary suppliers	Protocols and reports of executed activities.
Hazardous chemicals						
61.	Supply of chemical substances and mixtures shall be accompanied by Safety Data Sheets (SDS) in Bulgarian language complying with the requirements of Annex II of Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), as amended by Regulation (EU) 2015/830 and Regulation (EU) 2020/878.	Prior to and during construction, and prior to commissioning	Compliance with the regulatory requirements for the storage and use of hazardous chemical substances	Check for the presence of safety data sheets.	Bulgartransgaz EAD, Primary suppliers	Safety data sheets

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62.	When storing and using hazardous substances and mixtures, the general and specific requirements for the warehouses and the organisation of their storage shall be taken into account, in accordance with the requirements of the Ordinance on the procedure for storage of hazardous chemical substances and mixtures. When using hazardous substances and mixtures, the instructions for their safe use set out in the SDS shall also be followed.	Prior to and during construction, and prior to commissioning	Compliance with the regulatory requirements for the storage and use of hazardous chemical substances	Regular checks for proper storage of hazardous chemicals and mixtures.	Bulgartransgaz EAD	Hazardous Chemicals and Mixtures Storage Instructions.
63.	Prior to commissioning, the Contracting Authority shall update its own assessment of possible cases of imminent threat of environmental damage and of environmental damage caused for the activities within the scope of the Act on the Liability for Preventing and Remedying Environmental Damage, in accordance with Ordinance No 1 of 29 October 2008 on the type of preventive and remedial measures in the scope of the Act on the Liability for Preventing and Remedying Environmental Damage and on the minimum amount of the costs for their implementation and shall submit it to the RIEW-Vratsa and BD Danube Region.	Prior to and during construction, and prior to commissioning	Compliance with the regulatory requirements for the storage and use of hazardous chemical substances	Update of own assessment of possible cases of imminent threat of environmental damages prior to commissioning	Bulgartransgaz EAD	Own assessment of possible cases of imminent threat of environmental damages and environmental damages caused.
64.	A local warning system shall be established to provide early warning to the staff, competent authorities and the population, in accordance with the requirements of Article 35, para 3, item 5 of the Disaster Protection Act.	Design, construction and operation	Protecting human life and health	Control for timely construction of local warning notification system.	Bulgartransgaz EAD, Primary suppliers	Local Warning Notification System Commissioning Protocol.
65.	The use of hazardous substances/mixtures shall be carried out in accordance with the measures for prevention of accidents, releases or spills and for control of exposure laid	During construction and operation	Protecting the environment and human health from	Regular checks to ensure compliance with regulatory requirements	Bulgartransgaz EAD, Primary suppliers	

Annex B: Table 2 – Management and Mitigation Measures for the Project: Construction and commissioning of new above ground facilities

No	Management and mitigation measures	Project Phase	Impact to be addressed by the measure	Monitoring	Responsibilities	KPI
	down in the relevant regulatory/administrative act, safety data sheets and instructions for safe use.		the effects of hazardous substances/mixture)	regarding the use of hazardous chemical substances and mixtures.		
Noise and vibration						
66.	Upon site commissioning and in the presence of the conditions under Article 18, para. 1 of Ordinance No 54/13.12.2010 on the operation of the National Environmental Noise Monitoring System and for the requirements for conducting its own monitoring and providing information from industrial noise sources in the environment, the noise levels in the nearest settlement i.e. Chiren village shall be measured. The records of the measurements shall be submitted to the Regional Health Inspectorate-Vratsa.	During operation	Compliance with the environmental noise regulations	Checking the compliance of the regulatory requirements regarding the environmental noise monitoring.	Bulgartransgaz EAD	Metering reports from an accredited laboratory.
67.	In order to establish the noise level at the newly established site of Chiren UGS, once every two years monitoring shall be carried out according to the Noise factor. The measured noise values at the site shall meet the regulatory requirements for noise level in industrial areas, according to Ordinance No 6 of 26 June 2006 on environmental noise indicators, taking into account the degree of discomfort during different parts of the day, the limit values of environmental noise indicators, the methods for assessing the values of noise indicators and the harmful effects of noise on the health of the population, which for the site are equivalent to 70 dB day, evening and night noise. Measurements of noise levels at the production site shall be carried out in accordance with the requirements of Article	Construction Operation	Determining the noise levels and taking action, if necessary.	Periodic check (every two years) of compliance of the regulatory requirements regarding the environmental noise monitoring.	Bulgartransgaz EAD	Metering reports from an accredited laboratory.

Annex B: Table 2 – Management and Mitigation Measures for the Project: Construction and commissioning of new above ground facilities

No	Management and mitigation measures	Project Phase	Impact to be addressed by the measure	Monitoring	Responsibilities	KPI
	16 para 1(1) of Ordinance No 54 of the Ministry of Health and the MOEW of 13 December 2010 on the operation of the National Environmental Noise Monitoring System and for the requirements for conducting its own monitoring and providing information from industrial noise sources in the environment.					
68.	Own periodic measurements of noise indicators emitted into the environment shall be carried out, in accordance with Article 27 of <i>Ordinance No 54 of 13 December 2010 on the operation of the national monitoring system</i> . A report on the results of the measurements shall be submitted to the MOEW and RIEW-Vratsa as part of the annual report under Article 123(c) item 6 of the EPA.	During operation	Compliance with the environmental noise regulations	Periodic check (every two years) of compliance of the regulatory requirements regarding the environmental noise monitoring in line with the Chiren UGS Complex Permit requirements.	Bulgartransgaz EAD	Metering reports from an accredited laboratory.
Transport and logistics						
69.	During construction, a concreted area for parking and ongoing maintenance of the equipment used - trucks, excavators, bulldozers shall be ensured in order to prevent the penetration of petroleum products into the soil depth.	Prior to and during construction, and prior to commissioning	Soils protection	Check for the presence of a concrete pad.	Bulgartransgaz EAD, Primary suppliers	Protocol of executed activities.