

Environment, Health and Safety Report (EHS) for the LNG Terminal Construction Project in Świnoujście, Poland



Świnoujście – Warsaw

2014

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Project information

Polskie LNG S.A. is a special purpose vehicle founded in 2007 to build the LNG Terminal in Świnoujście - the system for receiving and regasification of liquefied natural gas (LNG) delivered by sea from almost every direction in the world.

The facility built in Świnoujście is the first infrastructure project of this kind not only in Poland but also in Central and Eastern Europe, allowing diversification of gas supply sources and improving energy security in the region. For this reason, the project has been recognized by the Government as strategic for Polish economy.

In the first period of operations, the LNG terminal will deliver 5 billion cubic meters of natural gas per year. In the future, depending on the demand for this type of fuel, the re-gasification capacity may be increased to 7.5 billion cubic meters, which comprises approx. 50% of current annual demand for gas in Poland (at present Polish consumption of gas amounts to 14 billion cubic meters of gas per year).

Besides Polskie LNG S.A., the company responsible for the construction of the land part of the LNG Terminal comprising unloading facilities, liquefied natural gas storage tanks and regasification installation, there are three more entities involved in this investment, namely Maritime Office in Szczecin, Szczecin and Świnoujście Seaports Authority and OGP GAZ-SYSTEM S.A. – PLNG S.A.'s parent company.

The construction of the LNG terminal is co-financed from the EU Infrastructure and Environment Operational Programme and the EU Energy Programme for Recovery.



Photo 1. LNG Terminal – a view from the breakwater

LNG Terminal and natural environment

Environmental protection is of great importance for Świnoujście as a city providing a health resort and tourist facilities. For this reason, the investor's objective was to select the most advantageous option for the natural environment so that the operations of the LNG terminal had no negative impact on the health resort qualities and features.

The entire project will be completed with respect and due care of the natural environment. In order to preserve the historical forts, bunkers, and grey sand dunes, the LNG terminal will be constructed approx. 750 metres away from the coastline and within the Wolin part of Świnoujście, in the industrial area on-site the Szczecin-Świnoujście Port Complex – which has been designated for further development for a long time.

The terminal will be situated approx. 1 km away from the health resort's zone borderline. This location is advantageous in terms of the "wind rose", and according to the calculations of pollutants' dissemination in the atmosphere, all air quality standards required by the provisions of the law will be met.

Polskie LNG was awarded the international ISO 14001:2004 certification for environmental management systems which means that the construction of the first Polish LNG Terminal is compliant with all relevant quality and safety requirements, regarding the impact of the project on residents' standard of living in adjacent areas and on natural environment.

Project's Environmental Impact Assessment Report

The Report (*Environmental Impact Assessment Report*) is a technical and environmental study. The EIA provides analysis of the possibility to ensure safety of environment and nature during project implementation. It contains information required under Article 52 of the Environmental Protection Law of 2001.

The application for EIA decision was filed to the Governor of West Pomeranian Province on 9 June 2008.

Depending on the type of project, such a Report may be mandatory (for projects categorized as 1st group enterprises) or optional (for projects categorized as 2nd group). The project "LNG Regasification Terminal in Świnoujście, Poland" has been classified as the 2nd group enterprise, in accordance with the provisions of the Regulation of the Council of Ministers of 9th November 2004.

Polskie LNG Sp. z o.o. issued the complete Project's Environmental Impact Assessment Report to the Regional Directorate for Environmental Protection in Szczecin and the President of Świnoujście City on 17 December 2008.

The Report is available at:

<http://www.polskielng.pl/terminal-a-srodowisko/konsultacje-wynikow-audytu-srodowiskowego-due-diligence/>



Photo 2. Beach at the LNG Terminal in Świnoujście

Environmental Approval

On 12 February 2009, Polskie LNG was granted the Environmental Approval for Project Implementation for the offshore part of the LNG Terminal, issued by the Regional Director for the Environmental Protection in Szczecin, and on 4 March 2009 the Mayor of Świnoujście City issued the Environmental Approval for the onshore part of the LNG Terminal.

Obtaining the *Environmental Approval for Project Implementation* (hereinafter referred to in the abbreviated form as environmental approval), means that the venture can be implemented in the designated area of natural environment, with due consideration of specific conditions and requirements of environmental protection.

The *Environmental Approval for Project Implementation* is necessary for the investor to obtain a construction permit. It stipulates environmental protection requirements to be considered in the construction design. The environmental decision also confirms the feasibility of the project in the designated location.

Detailed analyses contained in the Environmental Impact Assessment Report demonstrate **no transborder impact of the Świnoujście LNG Terminal**, as well as **no substantial environmental impact**, including the impact on humans.

Project's Environmental Impact Monitoring

Following the *Environmental Approval for Project Implementation*, the environmental impact of the project at the site and in surrounding area is subjected to monitoring. The environmental monitoring is conducted by prominent specialists of various disciplines and external experts who examine various species of fauna, flora, fungi and lichens, as well as noise emissions, air emissions, groundwater and surface water levels together with chemical analysis. Identical monitoring procedure will also be implemented once the construction is completed and the terminal is put into operation.

Monitoring results will be published on the company website as soon as the annual report is approved by the Regional Directorate for Environmental Protection, i.e. by the end of the first quarter (e.g. for 2013 - by 31 March 2014).

Polskie LNG's Environmental Commitment

Polskie LNG S.A. is committed to proceed with the project with due consideration of natural environment at each and every stage of the process to maintain high natural values of the most treasured areas of Świnoujście. Respect for natural environment is reflected in various initiatives undertaken by the PLNG SA during project implementation, which include mainly:

- Continued natural environment monitoring which allows for recording the changes and responding to occurring environmental exposures. Environmental protection services incorporated in the company's structure.
- Follow-up of current activities aimed at minimizing the impact of the LNG terminal's operation on the environment, such as in 2010 when in temporary ponds in the deforested area amphibian populations appeared; they were transferred to a safe destination in accordance with appropriate permit issued by natural environment conservation authority; another similar action consisted in replanting the threatened protected species of plants in safe locations.
- Continued monitoring of natural habitats of plants, fungi, lichens, invertebrate and vertebral fauna species, conducted in the area stretching over 100 meters from the project site's borderline. The assessment will cover the condition of these components of natural environment, as well as the consistency and integrity of the Natura 2000 "Wolin and Uznam" area, and the results will be submitted to the Regional Directorate for Environmental Protection in Szczecin.
- Further implementation of environmental protection actions, i.e. performing works outside the project area – in the Natura 2000 "Wolin and Uznam" zone - as compensation for the damage suffered by the natural environment due to the exclusion of biotope from its surface. As part of the above actions, metaplantation of endangered species - wheat grass sieve - has already been performed and a bunker adjacent to the construction site was adjusted so as to improve the conditions of bats' hibernation.
- Continued monitoring of soil and water condition, in consequence of dewatering of excavations for underground installations and foundations for terminal's buildings. Due to

the proximity to the Baltic Sea and water intake zone for Warszów district, Polskie LNG established a network of measurement points (with piezometers), where the meter readings of groundwater levels, both within the construction site and in adjacent areas are automatically and continuously implemented.

- Proper waste management policy is in place - mainly covering construction waste such as concrete debris, plastic, timber, cardboard, paper, metal remnants, etc. A particularly important aspect of waste management is selective waste collection in designated areas, then its maximum re-use, and if the re-use is impossible, waste is transferred to authorized entities for disposal. The Company regularly checks whether those actions - designed to protect the environment against pollution - are conducted by the EPC Contractor in accordance with legal requirements.
- Monitoring of air emissions (including dust) that could deteriorate air quality in the areas outside the construction site. PLNG's environmental supervision – by means of issuing recommendations for the EPC Contractor – controls execution of works preventing violation of standards.
- At the same time, monitoring of noise levels is conducted at the construction site within the protected areas – near the residential zone. Polskie LNG is committed to use the lowest noise mechanical equipment for construction works to reduce residents' discomfort in the areas adjacent to the project site.

Polskie LNG's Occupational Health and Safety Commitment

Safety of all personnel and subcontractors performing works on company's behalf is among the priorities of Polskie LNG SA. The company undertakes a number of activities aimed at improvement of safety.

The most important initiatives undertaken in 2013 in the field of Occupational Health and Safety include the following:

- Standardization of activities in the field of Occupational Health and Safety through the development and implementation of system documentation, including.:
 - Occupational Health and Safety Policy,
 - Occupational health and safety training procedure in Polskie LNG SA
 - Occupational health risk assessment procedure,
 - Procedure for determining the circumstances and causes of workplace accidents,
 - Occupational health and safety monitoring procedure along with the following appendices:
 - Health and safety monitoring instruction - planned inspections - Appendix No. 1 to the Occupational health and safety monitoring procedure,
 - Health and safety monitoring instruction - ad hoc inspections - Appendix No. 2 to the Occupational health and safety monitoring procedure,
 - Health and safety monitoring instruction - health and safety conditions' analysis - Appendix No. 3 to the Occupational health and safety monitoring procedure,

- Health and safety monitoring instruction - inspections by external bodies - Appendix No. 4 to the Occupational health and safety monitoring procedure,
- Health and safety monitoring instruction - assessment of legal / regulatory and Health and Safety compliance - Appendix No. 5 to the Occupational health and safety monitoring procedure,
- Procedure for the development and implementation of health and safety conditions' improvements
- Procedure for road accident categorization,
- Procedure for controlling and testing detrimental factors at the workplace,
- Procedure of monitoring the regulatory and other health and safety requirements
- Rules of distribution, assignation and use of clothing, footwear, personal protective equipment and personal hygiene products for Polskie LNG personnel
- Rules of first aid kits' supervision in Polskie LNG SA
- Ensuring that the company follows relevant laws pertaining to Occupational Health and Safety by:
 - Identification of legal requirements and other regulatory requirements pertaining to health and safety - legal requirements register
 - permanent monitoring of changes of legal and other health and safety requirements
 - conducting assessment of company's compliance with applicable legal and other health and safety requirements
- Workplace risk identification and assessment implemented by means of workplace risk assessment procedure. Each workplace undergoes occupational risk analysis and is assessed according to Occupational Health Risk Assessment Procedure in three stages:
 - First - the development of workplace risk assessment sheets by the Occupational Risk Assessment Committee. Occupational Risk Assessment Committee is appointed for each organizational unit.
 - Second – the workplace risk assessment sheets are evaluated by an occupational medicine physician.
 - Finally, the workplace risk assessment sheets are approved by Plenipotentiary for Health and Safety.
- Regulating the area of Occupational Safety and Health Protection in terms of first aid, emergency response and personal protective equipment :
 - first aid and emergency response system by providing :
 - First aid kits
 - Persons designated to provide first aid
 - Workplace health and safety trainings, including trainings in first aid delivery, and
 - personal protective equipment by the development and implementation of:
 - Rules of the distribution, assignation and use of clothing, footwear, personal protective equipment and personal hygiene products for Polskie LNG personnel
 - List of personal protective equipment, personal hygiene products, clothing and footwear allowances, as Appendix A to the Staff Regulations, specifying

the type of essential equipment for use in certain workplaces and defining the expected period of use.

- Technical, and organizational measures and personal protective equipment for particular health risks and injury risks as precautionary measures - based on the risks identified in the workplace risk assessment procedure

Polskie LNG SA's commitment to occupational health and safety protection is demonstrated by, inter alia, raising employees' awareness of workplace safety's significance. For this reason, the following actions are undertaken:

- Trainings, drills and campaigns conducted in small groups with representatives of the EPC contractor and subcontractors, including:
 - introductory training - 335 employees
 - work at height - 335 employees
 - confined space - 335 employees
 - OHS leader - 99 employees
 - First Aid - 13 employees,
 - work permit - 10 employees
 - eye protection - 23 employees,
 - OHS observations - 74 employees
 - fire-fighting - 70 employees
 - In the danger line - 25 employees

*) The number of employees trained in the last reporting month (November 2013)

Recently, considerable emphasis was placed on trainings and campaigns aimed at familiarizing new employees with safety culture at the construction site. Equal attention is paid to visitors' and subcontractors' safety at the LNG terminal construction site. Prior to engaging in works, the contractors are trained in the internal safety regulations and appropriate work performance.

- Additional trainings and campaigns were organized for the personnel, including a training in firefighting techniques in cooperation with the local fire brigade, while Sikker company conducted a specialist training in working at height for all EPC supervisors, inspectors, health and safety inspectors, engineers and scaffolding specialists from Intech & Tanko companies, as well as various HSE campaigns were organized: internal campaign *LIFE-SAVING RULES*, *Man overboard*, or *Tank explosion*. Also various drills are organized, such as for instance in medical evacuation, as well as a training in first aid is systematically provided. All employees undergo regular sobriety tests.



Photo 3. Training in fire extinction



Photo 4. „Tank explosion” drill



Photo 5.
Emergency response drill



Photo 6.
Beach at the LNG Terminal in Świnoujście



Photo 7. „Man overboard” drill

- Internal brochures titled Safety alert are issued in two languages and distributed to EPC employees, sub-contractors, Employer's personnel, Investor Supervision staff and TDT representatives on a monthly basis. Employees are informed about hazardous events and incidents by internal messaging in order to prevent similar situations in the future.
- Launching the *Occupational Health and Safety* section in Intranet system, where employees can find information about current activities aimed at improving occupational safety as well as health and safety advice. The section includes workplace risk assessment sheets, allowing the employees to learn the risks that may occur at their workplaces, and the information is regularly updated with notices about health and safety accidents and hazardous incidents. The section is an efficient reference material in the field of occupational safety providing employees with continuous access to all applicable safety instructions, as well as information about the traffic rules at the terminal construction site, containing materials for subcontractors and information about ticks, whose bites may cause serious health complications.
- In addition, EPC Contractor's health and safety department provides all employees with the opportunity to report any instances of unsafe behavior observed, as well as examples of good practice noticed (the Five-pointed Star Programme - observation sheets). Health and Safety Observations are constantly reported by staff in charge of EHS, and the respective analysis is presented in the monthly Report on occupational health and safety.
- All employees' efforts to improve health and safety conditions are recognized. The rules of employee recognition are determined in "Rules of rewarding employees involved in the construction of the LNG terminal in Świnoujście project" approved on November 27, 2013
- All the initiatives taken and actions aimed at raising general awareness of health and safety issues are reported and analyzed in detail in the Report on occupational health and safety on a monthly basis and further announced in intranet section "Occupational Safety and Health Care".

Information reported within the Annual Environmental & Social Report for the European Bank for Reconstruction and Development

2. General information		
Is the project materially compliant with all relevant EBRD Performance Requirements (taking account of agreed action plans, exemptions)	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	If No, please provide details of any material non-compliances:

or derogations) as detailed in the ESAP and associated documents?		
Is the project materially compliant with all applicable environmental and social laws and regulations?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Project is implemented in accordance with all environmental permits granted and with due respect of legal requirements
Have there been any accidents or incidents that have caused damage to the environment, brought about injuries or fatalities, affected project labour or local communities, affected cultural property, or created liabilities for the company?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	If yes, please describe, including details of actions to repair and prevent reoccurrence:
Have there been any changes to environment, social, labour or health and safety laws or regulations that have materially affected the project?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	If yes, please describe: Annulment of the regulation of the Minister of Labour and Welfare on occupational health and safety requirements while operating cranes (Journal of Laws of the Republic of Poland, No. 54.15.58 of 04.16.1954). <u>Environmental Protection Department:</u> Amendment to the Law on Waste. The amended Act: The Act of 14 December 2012 on waste (Journal of Laws of the Republic of Poland, 2013 No. 0 pos. 21) The Act was promulgated on 05 Jan. 2013 and entered into force on 23 Jan. 2013
How many inspections did you receive from the health and safety authorities during the reporting period?	Number: 0	Please provide details of these visits, including number and nature of any violations found
How many inspections did you receive from the labour authorities during the reporting period?	Number: 6	Please provide details of these visits, including number and nature of any violations found Inspection by the National Inspector of Labour at the EPC Contractor's subcontractors - violation regarding the use of dry silica sand as abrasive material for surface cleaning

		- violation consisting in insufficient equipping with PPE	
Have these visits resulted in any penalties, fines and/or corrective action plans?	Number: 3	Please provide details of these visits, including number and nature of any violations found: Inspection by the National Inspector of Labour and Sanitary Inspection (SANEPID) - recommendation regarding the conditions for food catering was issued	
Have these visits resulted in any penalties, fines and/or corrective action plans?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	If yes, please describe, including status of implementing corrective actions to address any violations found:	
Has the Company engaged any contractors for project-related work in the reporting period?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Company	Scope of contracted works
		AGROSAD	Earthworks, foundation concrete
		BUDWUG	Drainage of excavations
		BUDIMEX	Foundations for Terminal equipment and apparatus
		ENERGOMONTAŻ POŁUDNIE	Mechanical works for the Terminal, Jetty and Corridor
		KAEFER	Insulation works and painting the tanks
		NIEWIADOMSKI	HDPE pipelines in process area
		PEKABEX	Supply and assembly of prefabricated concrete elements
		POLIMEX	Prefabrication of elements for Terminal / jetty / process corridor area and assembly works in jetty and corridor area
		TANKO	Mechanical works – LNG tanks
		TECHNOBUD	Construction works – LNG tanks
		Joint Venture: PGNiG Technologie Rebora Impianti	HDPE pipelines assembly in common area, in the facilities area and in process corridor (optional)
		SOLESI	Construction and building works related to process buildings and non-process buildings
		SITIE	Electrical mounting works – instrumentation and telecoms
		TRASKO	Supply, prefabrication and assembly of steel constructions from trapezoidal sheet and siding
		VSL	LNG tanks' concrete compression
		SNEF	Electrical fittings, air conditioning, telecoms installation in buildings
		KUROTEC	Mounting the GRP pipelines
		FOTOKART	Land measurement and geodetic works
		INTECH-RUSZTOWANIA	Construction of scaffolding
Magdalena Karbowska Dzięgielewska	Bats' monitoring during winter season in a military facility adapted for bats' wintering. The inspection is carried out every year. The Contractor submits a report on the works performed.		

		<p>Information from Environmental Protection Unit Manager:</p> <p>Bats' monitoring during winter season in a military facility adapted for bats' wintering. The inspection is carried out every year. The Contractor submits a report on the works performed. Inspector: Magdalena Karbowska - Dzięgielewska</p>
<p>Were any of the violations stated above the responsibility of contractors?</p>	<p>YES <input type="checkbox"/></p> <p>NO <input checked="" type="checkbox"/></p>	<p>If yes, please provide details, including how the Company is ensuring that corrective actions are implemented by the Contractor?</p>
<p>Have any project related operations been reduced, temporarily suspended or closed down due to environmental, health, safety or labour reasons?</p>	<p>YES <input type="checkbox"/></p> <p>NO <input checked="" type="checkbox"/></p>	<p>If yes, please describe:</p>

Please describe any environment or social programmes, initiatives or sub-projects undertaken during the reporting period to improve the company's environmental or social performance and/or management systems:

Please indicate the level of associated expenditure (capital expenditure and operating expenditure), and whether this relates to the requirements of the Environmental and Social Action Plan, or to any other initiative:

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*) The number of employees trained in the last reporting month (November 2013)

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All the initiatives taken and actions aimed at raising general awareness of health and safety issues are reported and analyzed in detail in the Report on occupational health and safety on a monthly basis and further announced in intranet section "*Occupational Safety and Health Care*".

2. General information		
Is the project materially compliant with all relevant EBRD Performance Requirements (taking account of agreed action plans, exemptions or derogations) as detailed in the ESAP and associated documents?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	If No, please provide details of any material non-compliances:
Is the project materially compliant with all applicable environmental and social laws and regulations?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	If No, please provide details of any material non-compliances:
Have there been any accidents or incidents that have caused damage to the environment, brought about injuries or fatalities, affected project labour or local communities, affected cultural property, or created liabilities for the company?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	If yes, please describe, including details of actions to repair and prevent reoccurrence:
Have there been any changes to environment, social, labour or health and safety laws or regulations that have materially affected the project?	YES <input checked="" type="checkbox"/> Nie <input type="checkbox"/>	If yes, please describe: Annulment of the regulation on occupational health and safety requirements while operating cranes - which means that working time limits no longer apply as well as wind restrictions when the work must be discontinued.
How many inspections did you receive from the environmental authorities during the reporting period?	Number:	Please provide details of these visits, including number and nature of any violations found: Non applicable.
How many inspections did you receive from the health and safety authorities during the reporting period?	Number: 1	Please provide details of these visits, including number and nature of any violations found National Inspection of Labour's inspection at one of the EPC Contractor's subcontractors – a recommendation to improve the arrangement of the electric cables at the entrances to buildings was issued.
How many inspections did you receive from the labour authorities during the reporting period?	Number:1	Please provide details of these visits, including number and nature of any violations found: National Inspection of Labour's inspection at one subcontractor. No recommendation issued.
Have these visits resulted in any penalties, fines and/or corrective action plans?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	If yes, please describe, including status of implementing corrective actions to address any violations found:
Has the Company engaged any contractors for project-related work in the reporting period?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	If yes, please state for which types of work, and how the company has monitored the compliance of contractors with EBRD Performance Requirements and the Environmental and Social Action Plan:

		<p>A subcontractor responsible for electrical and instrumentation fitting works was mobilized. Performance compliance is ensured by meeting the "Requirements for contractors" and following the provisions of the environmental approval as well as an ongoing monitoring of works performed by the subcontractor (inspections, audits)</p> <p>Contractor SITIE Poland Sp. z o.o</p>
Were any of the violations stated above the responsibility of contractors?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	If yes, please provide details, including how the Company is ensuring that corrective actions are implemented by the Contractor?
Have any project related operations been reduced, temporarily suspended or closed down due to environmental, health, safety or labour reasons?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	If yes, please describe:

4. Environmental Monitoring Data¹

Parameter ²	Value ³	Unit	Compliance Status ⁴	Comments ⁵
Waste Water			<i>At construction stage please state that activities are in compliance with water permits and report in detail where exceedance occurred.</i>	<i>All sponsors in relation to project works, at construction stage, PLNG at operational stage</i>
Total waste water generated	352 804	m ³	No aquatic legal survey has been required for waste water removal. Wastewater removal and its parameters comply with relevant law and the agreement between PLNG and Seaports Authority.	The indicated total amount comprises: <ul style="list-style-type: none"> • 3 504 m³ of sanitary wastewater discharged to Szczecin and Swinoujscie Seaports Authority's sewer system

¹ Please provide the results of any environmental monitoring carried out by the Company or its consultants. If you already have all the data requested available in another format, then this can be used instead.

² Not all parameters will necessarily apply. Please complete those rows that are most relevant to the industry sector. Additional parameters can be added as necessary.

³ Please ensure that the units of measurement are clearly stated

⁴ Please report on compliance against the standards agreed with EBRD for this project (typically local, EU and/or World Bank Group)

⁵ In addition to any other relevant comments, please indicate whether the measurements reported apply to all or only some process operations at the facility

Parameter ²	Value ³	Unit	Compliance Status ⁴	Comments ⁵
				<ul style="list-style-type: none"> • 349 300 m³ of rainwater and drainage water discharged into Szczecin and Swinoujscie Seaports Authority's rainwater and snowmelt water sewer system
BOD	-	-	Evaluation of this parameter has not been required.	
COD	-	-	Evaluation of this parameter has not been required.	
Suspended Solids	-	-	Evaluation of this parameter has not been required.	
Phosphorus	-	-	Evaluation of this parameter has not been required.	
Nitrates	-	-	Evaluation of this parameter has not been required.	
Heavy metals	-	-	Evaluation of this parameter has not been required.	
[Other]	-	-	-	
Air Emissions			<i>At construction stage please state that activities are in compliance with relevant permits and report in detail where exceedance occurred.</i>	<i>All sponsors in relation to project works, at construction stage, PLNG at operational stage</i>
SO ₂	1-7,8	µg/m ³	During the construction phase, no permit for gas or dust emissions is required. No exceedance of limit values determined in the Regulation of the Minister of the Environment on levels of certain substances in the air has been recorded. The construction activities are compliant with the provisions of the decision on environmental constraints for the permit for the investment (environmental decisions) No. WGK-7624/BZ/13- 8/2009 and RDOŚ-32-WOOS-6613-1/08/AT/MŁ. Specification of concentrations of pollutants emitted during the reporting period is included in the environmental monitoring report for the period 01.06.2013 - 30.06.2013 – EPC Contractor's document No.	<p>The value range of the recorded emissions for onshore and offshore part of the terminal combined.</p> <p>Period from 4 Jan. 2013 – 29 May 2013 (period determined by the monitoring methodology and schedule)</p>

Parameter ²	Value ³	Unit	Compliance Status ⁴	Comments ⁵
			00-ZA-E-85884_006.	
NO _x	11,6-39,5	µg/m ³	During the construction phase, no permit for gas or dust emissions is required. No exceedance of limit values determined in the Regulation of the Minister of the Environment on levels of certain substances in the air has been recorded. The construction activities are compliant with the provisions of the decision on environmental constraints for the permit for the investment (environmental decisions) No. WGK-7624/BZ/13- 8/2009 and RDOŚ-32-WOOŚ-6613-1/08/AT/MŁ. Specification of concentrations of pollutants emitted during the reporting period is included in the environmental monitoring report for the period 01.06.2013 - 30.06.2013 – EPC Contractor's document No. 00-ZA-E-85884_006.	The value range of the recorded emissions for onshore and offshore part of the terminal combined. Period from 4 Jan. 2013 – 29 May 2013 (period determined by the monitoring methodology and schedule)
Particulates	71,7 (onshore part of the construction site) 12,4 (offshore part of the construction site) 14,1 (residential areas of Świnoujście's Warszów district)	g/m ² / year	During the construction phase, no permit for gas or dust emissions is required. Total annual volume of particulate fallout at the construction site exceeds the reference volume (200 g/m ² / year), determined in the Regulation of the Minister of the Environment on levels of certain substances in the air. Outside the construction site no exceedance of reference limit values was recorded. The construction activities are compliant with the provisions of the decision on environmental constraints for the permit for the investment (environmental decisions) No. WGK-7624/BZ/13- 8/2009 and RDOŚ-32-WOOŚ-6613-1/08/AT/MŁ. Specification of concentrations of pollutants emitted during the reporting period is included in the environmental monitoring report for the period 01.06.2013 - 30.06.2013 – EPC Contractor's document No. 00-ZA-E-85884_006.	Period from 21 Dec. 2012 – 20 May 2013 (period determined by the monitoring methodology and schedule)

Parameter ²	Value ³	Unit	Compliance Status ⁴	Comments ⁵
CO ₂			Evaluation of this parameter has not been required.	
CH ₄			Evaluation of this parameter has not been required.	
N ₂ O			Evaluation of this parameter has not been required.	
HFCs			Evaluation of this parameter has not been required.	
PFCs			Evaluation of this parameter has not been required.	
SF ₆			Evaluation of this parameter has not been required.	
[Inne] C ₆ H ₆	0,05-1,41	µg/m ³	During the construction phase, no permit for gas or dust emissions is required. No exceedance of limit values determined in the Regulation of the Minister of the Environment on levels of certain substances in the air has been recorded. The construction activities are compliant with the provisions of the decision on environmental constraints for the permit for the investment (environmental decisions) No. WGK-7624/BZ/13- 8/2009 and RDOŚ-32-WOOS-6613-1/08/AT/MŁ. Specification of concentrations of pollutants emitted during the months during the reporting period is included in the environmental monitoring report for the period 01.06.2013 - 30.06.2013 – EPC Contractor's document No. 00-ZA-E-85884_006.	The value range of the recorded emissions for onshore and offshore part of the terminal combined. Period from 4 Jan. 2013 – 29 May 2013 (period determined by the monitoring methodology and schedule)
Other Parameters			<i>At construction stage please state that activities are in compliance with relevant permits and report in detail where exceedance occurred.</i>	<i>All sponsors in relation to project works, at construction stage, PLNG at operational stage</i>
Noise	44,4-59,7 (day) 39,8-58,0 (night)	dB	No permit for noise pollution (outdoor amplified sound permit) is required. In January and February 2013 due to noisy works being performed on the LNG tanks' roofs, there were incidents of noise levels exceedance recorded in the	Period from 02.01.2013 – 19.06.2013 Due to the recorded instance of exceeding the permissible noise levels on 10.01.2013,

Parameter ²	Value ³	Unit	Compliance Status ⁴	Comments ⁵
			<p>nearby residential area of Swinoujscie-Warszów beyond the levels determined in the Regulation of the Minister of Environment on permissible noise levels in the environment, set at 55 dB in daytime and 45 dB for the nighttime.</p> <p>The measurements taken on 10.01.2013 indicated noise exceeding the permissible levels by 4.7 dB in daytime and about 13 dB at night.</p> <p>The measurements taken on 15.02.2013 indicated noise exceeding the permissible levels by 1.7 dB in daytime and by 0.6 dB at night – these values lie within the range of measurement error. Apart from these, there were no instances of exceeding the maximum permissible noise levels recorded.</p> <p>Specification of noise emissions during the reporting period is included in the environmental monitoring report for the period 01.06.2013-30.06.2013 – EPC Contractor's document No. 00-ZA-E-85884_006.</p>	<p>the EPC Contractor introduced mitigation procedures consisting in reduction of time of performing noisy works on the tanks' roofs and restricting noisy works performed at night and their relocation to the northern part of the site. In addition, pursuant to the provisions of environmental decision No. WGK-7624/BZ/13- 8/2009, the EPC Contractor informed the local community about possible periodic performance of disturbing works by displaying relevant ads over Swinoujscie-Warszów district. Mitigation measures implemented by the EPC Contractor limited the disturbance to the adjacent residents resulting from the works performed. At the same time, PLNG published an article in local press explaining the reasons of the occurring disturbance.</p>
[Other] Groundwater			Drainage of the construction site area by the EPC Contractor was compliant with the following aquatic legal surveys:	

Parameter ²	Value ³	Unit	Compliance Status ⁴	Comments ⁵
			<ul style="list-style-type: none"> No WOŚ.II.7322.36-4.2012.MU of 21.11.2012 No WOŚ.II.7322.7.6.2013.MU of 21.05.2013 <p>In addition, drainage works conducted in the technical corridor for which no aquatic legal surveys were required, were carried out in accordance with the provisions of the EPC Contractor's documentation, i.e. the design of temporary dewatering of underground pipeline excavations, including the design of hydrogeological monitoring of the technical corridor of the LNG regasification terminal in Swinoujście No. 00 - FOR-E-85960 . Supervision of drainage was conducted by both the EPC Contractor's hydrological monitoring and PLNG's environmental supervision.</p>	

Solid Waste				<i>All sponsors in relation to project works, at construction stage, PLNG at operational stage</i>
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Please provide details of the types and amounts of solid wastes generated by the project. Indicate where wastes are classified as hazardous. Indicate the final re-use, recycle or disposal method for each waste type.

CODE OF WASTE	TYPE OF WASTE	AMOUNT [Mg]	WASTE MANAGEMENT
12 01 13	Welding waste	0,010	Waste delivered to an authorized company for recycling pursuant to the provisions of the Act on waste
12 01 17	Polishing waste other than 12 01 16	0,120	Polishing waste delivered to an authorized company for treatment pursuant to the provisions of the Act on waste
12 04 04	Non-ferrous metal dust and particles	5,088	Waste delivered to an authorized company

			for treatment pursuant to the provisions of the Act on waste
15 01 01	Paper and cardboard packaging	10,320	Waste delivered to an authorized company for treatment pursuant to the provisions of the Act on waste
15 01 02	Plastic packaging	9,295	Waste delivered to an authorized company for treatment pursuant to the provisions of the Act on waste
15 01 07	Glass packaging	0,300	Waste delivered to an authorized company for treatment pursuant to the provisions of the Act on waste
15 01 10*	Hazardous waste packaging containing residues of or contaminated by dangerous substances (e.g. plant protection chemicals of 1 st and 2 nd toxic class : very toxic and toxic)	7,284	Waste delivered to an authorized company for treatment pursuant to the provisions of the Act on waste
15 02 02*	Hazardous waste Sorbents and filtering materials – hazardous waste Wiping cloth and protective clothes contaminated with hazardous substances (e.g. PCB)	0,006	Waste delivered to an authorized company for treatment pursuant to the provisions of the Act on waste
17.01 01	Concrete waste and debris from demolition and renovation	269,760	Waste delivered to an authorized company for treatment pursuant to the provisions of the Act on waste
17 01 07	Mixed concrete waste and brick debris	1,000	Waste delivered to an authorized company for treatment pursuant to the provisions of the Act on waste
17 01 01	Construction and Demolition concrete waste	1 677,168	Re-used at the construction site
17 01 07	Mixtures of concrete, bricks, tiles and ceramics other than	112□200	Waste delivered to an authorized company for treatment pursuant

	those mentioned in 17 01 06		to the provisions of the Act on waste
17 02 01	Timber	4,740	Waste delivered to an authorized company for treatment pursuant to the provisions of the Act on waste
17 02 02	Glass	4,848	Waste delivered to an authorized company for treatment pursuant to the provisions of the Act on waste
17 02 03	Plastics	2,148	Waste delivered to an authorized company for treatment pursuant to the provisions of the Act on waste
17 03 02	Bituminous mixtures other than those mentioned in 17 03 01	0,089	Waste delivered to an authorized company for treatment pursuant to the provisions of the Act on waste
17 03 80	Bitumen roofing felt	2,592	Waste delivered to an authorized company for treatment pursuant to the provisions of the Act on waste
17 04 05	Iron and steel	0,810	Waste delivered to an authorized company for recycling pursuant to the provisions of the Act on waste
20 02 01	Biodegradable waste	0,816	Waste delivered to an authorized company for treatment pursuant to the provisions of the Act on waste
20 03 01	Mixed municipal waste	73,433	Waste delivered to an authorized company for treatment pursuant to the provisions of the Act on waste

7. Occupational Health and Safety Data (Gas systems on behalf of all project sponsors and their main contractors at construction stage, PLNG at all stages)

	Direct employees	Contracted workers		Direct employees	Contracted workers
Number of man-hours worked this reporting period:	88,21 thousand man-hours (PLNG's personnel)	3138356 (EPC Contractor's personnel and subcontractor's personnel)	Number of Fatalities ⁶ :	0	0
Budget spent on OHS in this period (total amount and currency):	PLN 35,7 thousand (PLNG's personnel)	PLN 293 655 (EPC)	Number of disabling injuries:	0	0
OHS training provided in this period in person-days:	10 person-days (PLNG personnel)	14249 hours (EPC Contractor's personnel and subcontractor's personnel)	Number of Lost Time Incidents (including vehicular) ⁷ :	0	2
Number of lost workdays ⁸ resulting from incidents:	0	71 days (EPC Contractor's subcontractor)	Number of cases of occupational disease:	0	0
Number of sick days:	668 days (PLNG Staff) 6 days (PLNG contract staff)	125 days (EPC Contractor's subcontractor)			
<p>Accident causes (falling, heavy loads, struck by object, contact with energy source etc):</p> <p>Use of scaffolding elements as a ladder – fall from height Non-compliance with instructions / guidelines Haste</p>					
<p>Please provide details of any fatalities or major accidents that have not previously been reported to EBRD, including total compensation paid due to occupational injury or illness (amount and currency): No such incidents reported</p>					
<p>Please summarise any emergency prevention and response training that has been provided for company personnel during the report period:</p> <p>Preventive measures implemented by EPC Contractor:</p> <ul style="list-style-type: none"> - Daily pre-shift briefings carried out by work managers and HSE services, - HSE induction training conducted by EPC Contractor for every single person working in the project, - Detailed trainings e.g. on working in confined spaces, at height, behaviour and response to fire or explosion, etc. - Observation reporting system (each person can submit their comments on the irregularities or positive observations) 					

⁶ If you have not already done so, please provide a separate report detailing the circumstances of each fatality.

⁷ Incapacity to work for at least one full workday beyond the day on which the accident or illness occurred.

⁸ Lost workdays are the number of workdays (consecutive or not) beyond the date of injury or onset of illness that the employee was away from work or limited to restricted work activity because of an occupational injury or illness.

- Analysis of potential accidents and remedial or corrective actions
- Weekly meetings with subcontractors (involving important HSE information)
- Campaigns on various HSE rules (e.g. eye / sight protection)
- Information campaigns (monthly newsletter, HSE alerts etc.).

There is an alarm procedure in place as an emergency response, periodically reminded to persons present at the site and working in the project.

At the construction site there is an emergency number communicated to all persons in the project. A special emergency information card including a map of the construction site and emergency number is distributed to all trained personnel and persons present at the site. There are emergency / muster points designated at the site.

Please summarise any emergency response exercises or drills that have been carried out during the report period:

There were 24 MEDEVAC drills conducted (including regular procedure in typical medical cases as well as in evacuation from heights, confined spaces, water (offshore part) or wells/tunnels, treatment of injuries resulting from crushing, hitting by heavy machinery, communication accidents, chemical and electrical burns, inhalation poisoning and injuries).

There were 75 meetings and medical trainings held, attended by 992 people. The meetings focused on first-aid / emergency treatment and response as well as prevention of cancer, cardiovascular diseases, alcohol, nicotine and drug addictions, sexually transmitted diseases, influenza, safe road and water behavior, children emergency response and nutrition/diet.

These medical drills were the response to accidents and medical incidents reported by Project staff.



All persons interested in Świnoujście LNG Terminal construction project are requested to submit the queries to pytaniaterminal@polskielng.pl or the Form to Liaison Officer. Liaison Officer: Aleksandra Jampolska ul. Mszczonowska 4 (building C) 02-337 Warszawa tel: +48 22 590 84 17 tel.kom: +48 668 339 537.

