

DALIAN PORT (PDA)
COMPANY LIMITED

ENVIRONMENTAL, SOCIAL
AND GOVERNANCE REPORT

MARCH 2018

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About This Report

With a hundred years of history, Dalian Port (PDA) Company Limited ("the Dalian Port" or "the Company") always takes "prospering the city through the port development, and serving the nation with industrial development" as our mission. The Dalian Port was successfully listed on the main board of the Stock Exchange of Hong Kong in 2006 and on the Shanghai Stock Exchange in 2010 respectively, becoming the first port company listed in the stock exchanges of both Hong Kong and Shanghai. The Port, with a hundred years' history, sails in the capital market in the new century, and injects fresh energy to the development in the new period.

At present, China is in the crucial stage of building a well-off society in an all-round way during the 13th Five-Year Plan. The Dalian Port, acting upon development strategies proposed in the 19th National Congress of the Communist Party of China, resolutely fulfills its corporate responsibility to constantly optimise and innovate in environmental protection, social security, corporate governance, etc. Besides, the Company actively enhances the performance of assuming social responsibility, striving for a bright future where enterprises, society and nature develop in harmony.

Pursuant to the *Environmental, Social and Governance (ESG) Reporting Guide* (the "ESG Reporting Guide") set out in Appendix 27 to the *Rules Governing the Listing of Securities on the Stock Exchange of Hong Kong Limited*, the Dalian Port released the *Dalian Port (PDA) Company Limited Environmental, Social and Governance Report 2017* ("the Report"). The Report covers ESG-related information of domestic operating activities of the Dalian Port and its main subsidiaries unless otherwise stated, and the reporting period is the same as that of the Company's annual report.

Based on the analysis and assessment of the materiality of topics on environmental protection and social development in the *ESG Reporting Guide* to the Company and concerns of stakeholders, the Dalian Port aims to disclose to stakeholders in the Report our management measures and achievements in terms of environmental, social and governance practices in 2017, as well as our expectations for continued improvement in sustainability.

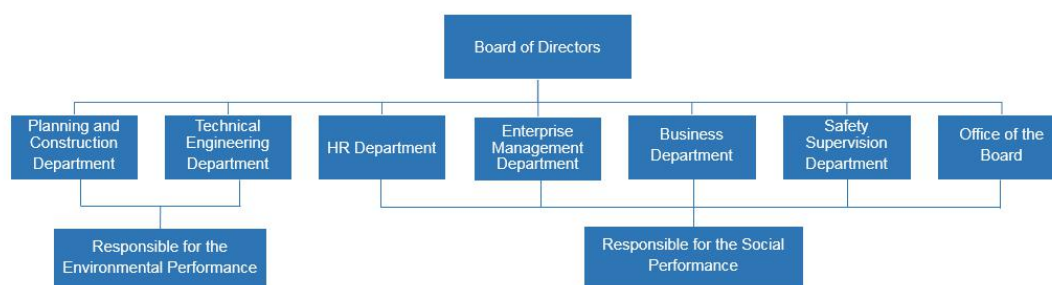
ESG System

ESG Concept and Goals

With a vision to build a multi-functional, all-round and modernised international port and also a happy, innovative, ecological, highly-efficient and smart enterprise, the Company adheres to the ESG concept of “green and sustainable development” and the goals of building a green port and promoting harmonious operation, and integrates environmental protection, energy conservation, caring for employees and benefiting the society into our business development. We have been proactively communicating with stakeholders and actively responding to their demands. While providing high-quality and professional services to customers, we have promoted the harmonious development of the company, society and environment.

ESG Management Structure

In 2017, the ESG management system of the Dalian Port continued to function well, and further answer the principal responsibilities on the basis of compliance in operation. With the overall leadership of the Board of Directors, active cooperation of various functional departments and the firm implementation by all affiliated enterprises, the ESG management concept has been thoroughly implemented and the work has been carried out effectively.



Stakeholder Engagement

The Company is grateful for the support and help from stakeholders from all walks of life. With a deep understanding about the significance of stakeholders’ expectations on the corporate development, the Company always attaches great importance to their expectations and demands on our ESG performance. In order to effectively identify major stakeholders’ key concerns, the Company has established diversified and targeted communication channels to maintain long-term and effective communication with stakeholders.

Through the identification and communication mechanism, major stakeholders identified include government and regulators, shareholders and investors, employees, customers, suppliers, media and community, whose top concerns covering compliance in operation, use of resources, emissions, caring for employees, product quality, and occupational health and safety.

Stakeholders	Communication Channels	Topics Concerned
Government & regulators	Important conferences, policy advisory, case reports, inspections, documents exchange, information disclosure, etc.	<ul style="list-style-type: none">Compliance in operationCorporate governanceEnergy conservation
Shareholder & investors	Shareholders’ meeting, annual reports	<ul style="list-style-type: none">ProfitabilityOperating strategyTransparent disclosure
Employees	Employee satisfaction survey, employee activities, workers’ congress, employee trainings, staff	<ul style="list-style-type: none">Salary and welfareDevelopment and trainings

	handbook, internal publications	<ul style="list-style-type: none"> Occupational health and safety
Media	Interviews on business operation, promotion of company culture, featured special events, media conferences	<ul style="list-style-type: none"> Compliance in operation Social influence Performance of social responsibility
Suppliers	Supplier evaluation, bidding meetings, negotiations on strategic cooperation, exchanges and visits	<ul style="list-style-type: none"> Fair cooperation Honest and promise keeping Coordinated development
Customers	Customer satisfaction survey, customer complaint hotline	<ul style="list-style-type: none"> Service quality Information security
Community	Charitable activities, community activities, campus talks, internship	<ul style="list-style-type: none"> Community welfare Community relationship Employment promotion

Green Operation

The logo of the Dalian Port starts with the colour of Chinese green, representing the importance that the Company attaches to ecological civilisation, environmental protection and health and safety. Guided by the concept of "innovation, harmony, green, openness and sharing", the Dalian Port further perfected the responsibility system for environmental protection in 2017, including strengthening daily supervision, troubleshooting potential sources of pollutant and adjusting pollution prevention and control measures. Taking the combination of energy conservation technology application with the innovation in energy conservation management as the starting point, the Company accelerates the transformation of development mode and promotes the construction of "a green low-carbon port".



Compliance in Operation

Acting upon the basic national policy of environmental protection and resources conservation, and in order to strengthen environmental protection management to adapt to current trends of corporate environmental protection, the Company, pursuant to series of policies and regulations issued by the General Office of the State Council, the State Oceanic Administration and the Ministry of Environmental Protection (the *Coastal Waters Pollution Prevention and Control Plans*, the *Regulations for Environmental Protection in Construction Projects*, the *Water Pollution Prevention and Control Law*, etc.), developed and issued the *Dalian Port Environmental Protection Responsibility System* and other systems successively. In addition, guided by the *Environmental Protection Management Essentials of 2017*, we further strengthened and standardised environmental protection responsibilities at different levels of leadership and functional departments, and implemented the principle of comprehensive governance, full participation and balanced power and responsibility. In response to issues in implementation of pollution prevention and control measures during the special inspection of environmental protection and the "three-simultaneity" policy of environmental protection in construction projects, the Company requested relevant units to fulfil their supervisory responsibilities and improve measures for rectification, and the overall operation of the Dalian Port in 2017 was legal compliance.

Reduction in Emissions

With a view to building a green and low-carbon port, the Dalian Port strictly practise the green development concept of being resources-saving and environment-friendly. The compliance

and reduction in emissions lies at the core of realising environment-friendly, and has always been the top priority of the Dalian Port's environmental protection commitment.

Application and Extension of Shore-to-ship Power Supply System

In order to reduce pollutants discharged by vessels in ports, the Dalian Port advocates the application of shore-to-ship power supply technology. Along with making a special plan for shore-to-ship power development during the 13th Five-Year Period, the Dalian Port has deepened the cooperation with the State Grid on the construction and operation of shore-to-ship power supply system and carried out the construction in an orderly manner. In 2017, a 3 MVA high voltage variable frequency shore-to-ship power system at Berth 15# of Dayao Bay Container Terminal was successfully connected to two container ships, namely COSCO Netherlands and COSCO France, for power connection and supply. This move marked that the Dalian Port's container terminals had possessed the capability of high-voltage frequency conversion shore-based power supply. On top of that, the Dalian Port invested over RMB20 million to build 4 sets of high-voltage shore-to-ship power facilities, 2 sets of low-voltage dual-frequency shore-to-ship power facilities and 2 sets of mobile low-voltage shore-to-ship power facilities. By the end of 2017, all berths for ore, bulk grain, roll-on roll-off passenger ships and work boats as well as more than 50% of specialised container berths in the Dalian Bay had been equipped with shore-based power supply facilities; besides, 2 sets of mobile shore-to-ship power systems had been available for several berths in the general cargo terminal of the Dalian Bay.

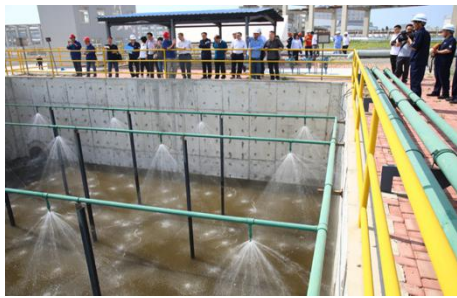


Shore-to-ship power supply system

Special Researches on Sewage and implementation of prevention and control measures in the port area

Acting upon the *Water Pollution Prevention and Control Law* and the *Action Plan for Prevention and Control of Water Pollution* (or the "Ten Rules for Water Pollution"), and in order to improve prevention and control of water pollution, the Dalian Port strictly checks pollution collection and disposal systems for hazards detecting, collect and dispose sewage generated in the port area and investigate operation status and existing issues of facilities. In addition, feasible solutions have been developed based on the present situation, and special rectifications have been conducted for prevention and control of water pollution.

In 2017, the Dalian Port invested nearly RMB 100 million to build a 100,000-cubic-metre accident buffer pool and its supporting collection system in the new port, which realised the objective of preventing petroleum pollution through the accidental water emergency treatment of "three longitudinal and three horizontal lines" and by means of "pollution containing terminal, interoperability, regional collection, three-level prevention and control". Furthermore, 10 sewage treatment facilities and 8 units of buried sewage treatment equipment operate efficiently, enabling full coverage of sewage treatment compliance within the port.



The 100,000-cubic-metre accident buffer pool and its supporting collection system

Special Inspections on Environmental Protection and Responsibility Allocation in Hazards Identification

In order to urge subsidiaries to fulfil their integral responsibility for environmental protection, and therefore discover and eliminate existing hazards in time to mitigate risks of environmental management, the Dalian Port commenced special inspections on environmental protection in September 2017. The inspections mainly covered ten parts, including compliance with laws and regulations for environmental protection, implementation of prevention and control measures against air, water and solid waste pollution, the "three-simultaneity" policy for environmental protection in construction projects, etc. The results showed that the subsidiaries had established sound environmental management systems and risk prevention and control systems, and that pollution prevention and control measures and the "three simultaneity" policy, in general, had been put in place.

Rectification of VOCs and Research on Oil and Gas Recovery

By actively identifying environmental risks in the course of operation, the Dalian Port carried out special rectification and reform on the management of volatile organic compounds (VOCs) during the year. In strict compliance with the *Air Pollution Prevention and Control Law*, the *Pilot Scheme for VOC Discharge Billing* and the *Ten Rules for Air Pollution*, the Company conducted preliminary investigation and surveys in main areas where VOCs were discharged, as well as research and implementation of follow-up rectification and reform programs against major risks.

We fitted oil and gas recycling facilities at gas stations; installed "uptake + absorption" oil and gas recycling systems at refined oil product berths to reduce emissions arising from oil and gas volatilisation; and deployed the "condensing + absorption" scheme at vehicle gasoline distribution stations to recycle VOCs produced in the course of loading gasoline. In 2017, the oil and gas recycling facilities, in which the Dalian Port invested more than RMB 13 million, made the oil and gas treatment rate up to 95%. This significantly reduced discharge of VOCs, and annually saved up to 1,800 tonnes of standard coal.



Oil and gas recycling facilities

Enhancement of Emergency Management in the Port and Special Inspections on Materials

Subsidiaries of the Dalian Port organise specialised training courses on the *Water Pollution Prevention and Control Law* and the *Environmental Protection Tax Law* so that the management and responsible persons can adapt environmental protection plans to the latest laws and regulations. In 2017, the environmental publicity and education commitment of the Dalian Port has been highly recognised by the Municipal CPC Committee of Dalian and the Municipal People's Government of Dalian and other authorities concerned. Dalian Port (PDA) Company Limited and Dalian Port Oil Terminal Company were awarded the *Environmental Publicity and Education Outstanding Companies for 2016-2017*.

Energy Efficiency Improvement

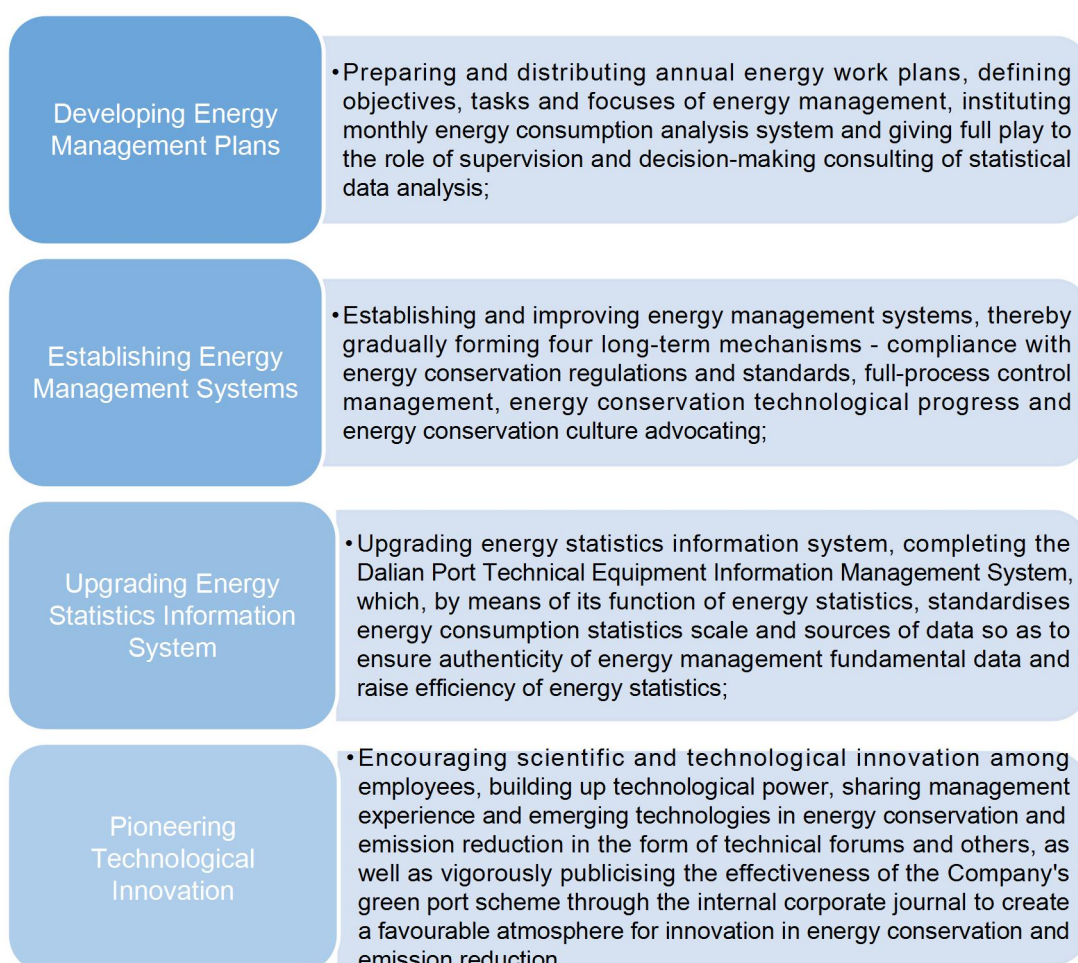
Pursuant to the *Dalian Port's Project Themed Green, Recycling and Low-Carbon*, the Dalian Port carried out the construction of green, recycling and low-carbon thematic project in terms of infrastructure, reconstruction of loading and unloading transport equipment and process, application of intelligent information system technology, clean energy and resources recycling, environmental protection. In November 2017, the Dalian Port's Project Themed Green, Recycling and Low-Carbon assessed and accepted by the Transportation Department of Liaoning Province and the Ministry of Transport. Experts' assessment showed that main projects were accomplished by 98.2%, and critical supporting projects 100% done, with saved standard coal over 13,000 tonnes, equivalent to 2,700 tonnes of standard oil when it came to alternative fuels.

With concerted efforts of all staff, comprehensive energy consumption per unit production of the Dalian Port decreased by 3.10% in 2017 and coal consumption by 25.22% year on year, resulting the amount of saved energy far beyond the national standards. In the resting period of the 13th Five-Year Plan, the Dalian Port will continue to implement the "four development principles", and strive to fully accomplish the tasks of building a green port through introducing new energy-saving technologies, utilising clean energy sources and applying information technologies to gradually refine energy conservation management.

Optimisation of Energy Management System

In order to achieve the objectives of green, low carbon, recycling and smart development, intensive utilisation of resources, reduction of energy consumption and emission and improvement of port environmental quality, the Dalian Port upholds four development principles: The first is the combination of energy conservation and emission reduction with our development; the second is the combination of reality with gradual and orderly progress; the

third is the combination of scientific and technological innovation with institutional innovation;



and the fourth is the combination of **potential tapping** with control of sources.

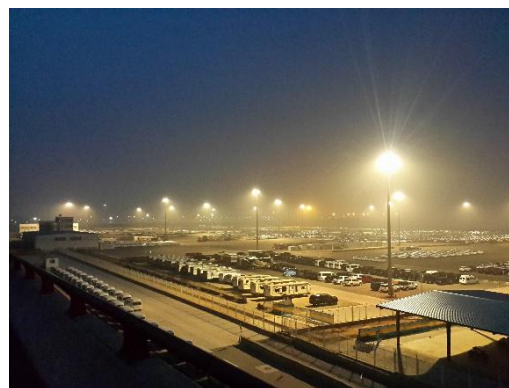
Promotion of Innovative Energy Conservation Technology

In response to the construction an innovative enterprise, the Dalian Port issued the *Management Measures of Dalian Port (PDA) Company Limited on Scientific and Technological Innovation Projects* and the *Management Measures of Dalian Port (PDA) Company Limited on Rewarding Scientific and Technological Innovation*, giving priorities to green development, quality and efficiency improvement and other innovative projects when allocating scientific and technological investment budget. Scientific and technological achievements in energy conservation and emission reduction, green development and so on apply to the scientific and technological innovation rewarding system, where the Scientific Progress Award and the Rationalisation Proposal and Technological Improvement Result Award were set up to encourage employees to innovate and put forward creative suggestions and opinions, thereby facilitating energy conservation and yielding favourable economic and social benefits.

In preliminary evaluation conference of China Ports & Harbours Association Science and Technology Award of 2017, several technologies of the Dalian Port won the Innovative Achievement Awards. Among them, the National Container Sea-Rail Combined Transport Internet of Things (Dalian Port) Demonstration Project won the first prize of Scientific and Technological Progress Award, and the IoT-based Port Logistics and Security Emergency Command Platform Building and Application, the All-lithium Battery Field Bridge Technology Application, the Dalian Port Oil Terminal Security and Emergency Management Information Platform won the third prize of Scientific and Technological Progress Award.

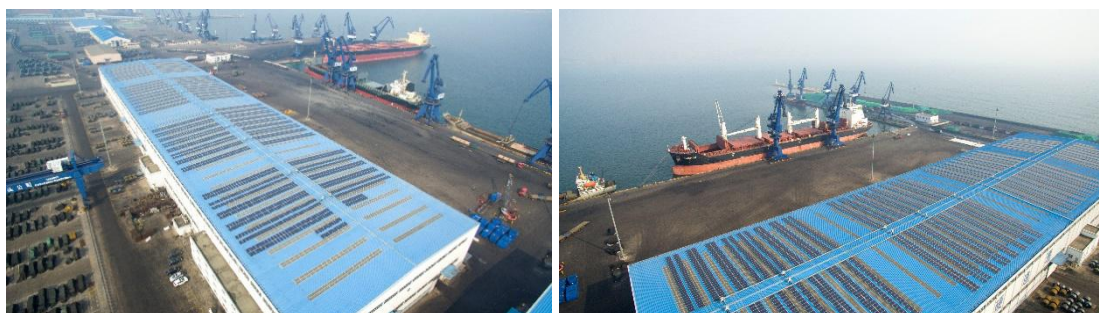
Over the year, the Dalian Port further promoted green lighting in the port, advocating the use of LED lamps, vanadium arc lamps, efficient reflector lamps, HEV ceramic metal halide lamps and so on under the management mode of energy contract.

Bulk Grocers Company	<ul style="list-style-type: none"> • Invested 540 thousand RMB • Completion of the yard 2 high pole lamp 18 LED energy-saving lamps and lanterns transformation • Annual savings of 15 tons of standard coal
Bulk Grain Company	<ul style="list-style-type: none"> • Invested 1.75 million RMB • Completion of B1-B39, B43, B44, B57, CB20, 23, 26 belt conveyors, DT4, 5 bucket elevators, and renovation of green lighting along the first and second phases • Annual savings of 30 tons of standard coal
Container Company	<ul style="list-style-type: none"> • Invested 270 million RMB • Completion of the yard 6 high pole lamp 72 LED energy-saving lamps and lanterns transformation • Annual savings of 12 tons of standard coal
Passenger Transportation Company	<ul style="list-style-type: none"> • Invested 400 thousand RMB • Completion of the yard 2 high pole lamp 18 LED energy-saving lamps and lanterns transformation • Annual savings of 15 tons of standard coal
Railway Company	<ul style="list-style-type: none"> • Invested 400 thousand RMB, completed 2 high pole lamp 18 LED energy-saving lamps and lanterns transformation in Dayao Bay parking lot , Annual savings of 12 tons of standard coal • Invested 100 thousand, completed 30 LED energy-saving lamps and lanterns transformation in Dayaowan 1# tunnel, annual savings of 11tons of standard coal



Green Lighting

Based on electricity demand of the port in Dalian Bay, the Dalian Port carried out distributed photovoltaic power generation programmes using grocery wharf roof space (about 40,000 square metres). As of 20 December 2017, the Dalian Bay Photovoltaic Power Plant had a total annual generating capacity of 2,450,000 kWh, of which 2,240,000 kWh was for the internal use, and the remaining 210,000 kWh for distribution over power grid. The saved energy amounted to about 810 tonnes of standard coal annually.



Power Generation

Energy Conservation Publicity

The Dalian Port issued notices on conducting activities of water-saving awareness week, energy-conservation awareness week and low-carbon awareness day, in response to which energy conservation was publicised, and lessons and experience in energy conservation and emission reduction were shared among different units. Subordinate units were organised to carry out "A Suggestion for Energy Conservation and Emission Reduction" activities. The Dalian Port vigorously promoted the concept of ecological civilisation and popularised energy conservation and low carbon awareness so as to improve quality and efficiency and enhance sustainability.

Key Performances

The Dalian Port's environmental key performance indicators (KPI) statistics of 2017 covered major domestic operations and the subsidiaries (the Bulk Grain Company, the Railway Company, the Bulk Grocers Company, the Container Company, the Oil Company, the Wheel Barges Company and the Passenger Transport Company), unless otherwise stated. Due to their negligible impact on the environment, operations of offices had not yet been included in the statistical scope, which would be disclosed as the case may be.

KPI

1. EMISSIONS ⁽¹⁾	
TOTAL GREENHOUSE GAS EMISSIONS (SCOPE 1 AND 2) ⁽²⁾ (TONNES)	317504.0889
GREENHOUSE GAS EMISSIONS PER 10,000 TONNE THROUGHPUT (SCOPE 1 AND 2) (TONNES/10,000 TONNE THROUGHPUT)	9.5032
TOTAL SO ₂ EMISSIONS (TONNES)	21.50115
TOTAL NO _x EMISSIONS (TONNES)	61.159
DUST (INCLUDING COAL) (TONNES)	6,801.953812
PRODUCTION WASTEWATER DISCHARGE (TONNES)	29,619.2
COMPREHENSIVE USE OF PRODUCTION WASTEWATER (TONNES)	75,481.6
COD DISCHARGE (TONNES)	0.26012

TOTAL HAZARDOUS WASTE (TONNES)	1,177.61225
HAZARDOUS WASTE PER 10,000 TONNE THROUGHPUT (TONNES/10,000 TONNE THROUGHPUT)	0.35247
COMPLIANCE RATE OF HAZARDOUS WASTE DISPOSAL (%)	100
TOTAL NON-HAZARDOUS WASTE (TONNES)	101.09
NON-HAZARDOUS WASTE PER 10,000 TONNE THROUGHPUT (TONNES/10,000 TONNE THROUGHPUT)	0.003
2. ENERGY CONSUMPTION⁽⁴⁾	
TOTAL COMPREHENSIVE ENERGY CONSUMPTION (MWH)	691,119.6979
COMPREHENSIVE ENERGY CONSUMPTION PER 10,000 TONNE THROUGHPUT (MWH/10,000 TONNE THROUGHPUT)	20.685951
3. WATER CONSUMPTION⁽⁵⁾	
TOTAL WATER CONSUMPTION (M ³)	908,934
COMPREHENSIVE WATER CONSUMPTION PER 10,000 TONNE THROUGHPUT (M ³ /10,000 TONNE THROUGHPUT)	27.205366

- (1) Owing to the nature of business, the Dalian Port's major gas emissions are greenhouse gases, sulphur dioxide and dust arising from the use of electricity and fuels converted from fossil fuels.
- (2) What is calculated for greenhouse gas emissions mainly includes carbon dioxide, methane and nitrous oxide. Greenhouse gas emissions are calculated in accordance with the *2015 China Regional Grid Baseline Emission Factors* published by the National Development and Reform Commission and the *2006 IPCC Guidelines for National Greenhouse Gas Inventories* published by the Intergovernmental Panel on Climate Change (IPCC).
- (3) Category 1 greenhouse gas emissions refer to those from operations of the Company, while Category 2 are those arising from internal consumption of indirect energy (purchased or acquired) - electricity, thermal energy and steam.
- (4) The comprehensive energy consumption figures are based on the direct and indirect energy consumption as well as the conversion factors in the *General Principles for Calculation of the Comprehensive Energy Consumption* (GB/T 2589-2008) issued by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China and the Standardisation Administration of the People's Republic of China.
- (5) In view of the nature of operations, the Dalian Port's major water consumption results from production and office operations.

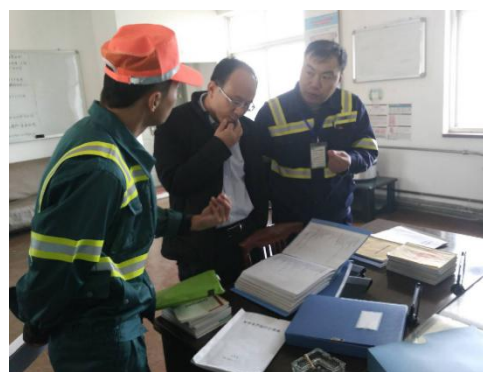
Health and Safety Protection

Acting upon annual national, provincial and municipal regulations for safety in production, the Dalian Port instituted detailed annual assessment rules on management of safety in production, and, in accordance with the *Production Safety Law* and the *Municipal Regulations for Safety in Production of Dalian*, sorted out a responsibility system where every post carried its own part of accountability for safety. Everyone, from top to bottom, took an oath of responsibility and signed a letter of commitment for the purpose of strengthening assessment on objective management. Besides, a long-term troubleshooting mechanism, namely Four Lists Rules, where inspections were carried out on a daily, weekly, monthly and quarterly basis by teams, stations, companies and the Dalian Port respectively. This, to a certain extent, raised safety in production and work environment. In 2017, the incidence of minor injuries, serious injuries, deaths and occupational diseases of the Dalian Port were all zero.

Production Safety Management

Safety Inspections

In order to constantly strengthen the inspection on the production site and duly prevent violation behaviors and eliminate various safety hazards, the Company organized various inspections in 2017, including 4 quarterly comprehensive inspections, 12 special inspections and night inspections and more than 20 fire prevention inspections in winter. After that, follow-up and rectifications were made for the 16 problems detected, resulting a 100% of hazard rectification rate in 2017.



Daily inspections

Dalian Port Railway Company has made rectifications as required by the Dalian Port for hazards detected in inspections. In addition, it took measures like issuing circulars and punishing employees involved to implement the operating standard of “No Hazards Allowed” in accordance with the *Provisions on Production Safety and Hazards Identification and Rectification of Dalian Port Railway Company* and the *Incentives of Dalian Port Railway Company for Reporting Production Safety Hazards and Violations*. Besides, the “hypothetical” check lists are prepared based on duties of different posts, and the implementation of operating standards is checked accordingly under the premise that safety is assured.

In addition to routine and night inspections for subordinate enterprises, the Safety Supervision Department of Dalian Port Container Company launched the video surveillance system to expand the scope of monitoring and strengthen on-site supervision, which enhanced the management and supervision of daily production safety issues and allowed real-time monitoring and spot-checks afterwards, providing convenience for further promoting the safety management of the company.

The Month of Production Safety

In response to the *Notice on Conducting the Month of Production Safety and Work Safety Circuit* issued at national, provincial and municipal levels, the Company developed and issued the *Notice of the Dalian Port on Conducting the Month of Production Safety in 2017*. In addition to publishing the *Opinions of the CPC Central Committee and the State Council on Promoting Reform and Development in the Field of Safety Production* (“*Opinion*”) on our *Port of Dalian* newspaper and purchasing books and CDs for the learning of leaders and employees at relevant departments and safety inspection department, the Company also made vigorous efforts to publicize the *Opinions* among subordinated units through production safety briefings, bulletin boards and wall charts and arranged 4 safety instructors to conduct safety trainings in 8 major units to reflect on typical accident cases and make the staff learn from the cases. On 16 June, the Company conducted one-day activities for advocating and consulting the principal responsibilities for production safety in the enterprise, which was attended by the management, i.e. Zhang Yiming, the President, the Safety Director to encourage the staff to take an active part in production safety. Three on-site advocacy and consultation points were set up, and over 1,600 employees from 30 units in the Dalian Port were attracted to participate in the activities by arranging information desks, hanging banners, displaying bulletin boards and playing educational videos.



Activities in the Month of Production Safety

In the course of production safety, the Dalian Port Bulk Cargo Logistics Company aims to strengthen the safety management in production through strict implementation of "Four Safety Standardisations " – standardising personal behaviours, minimizing on-site supervision, targeted education and trainings, balancing incentives and restraints.

Production Safety Drills

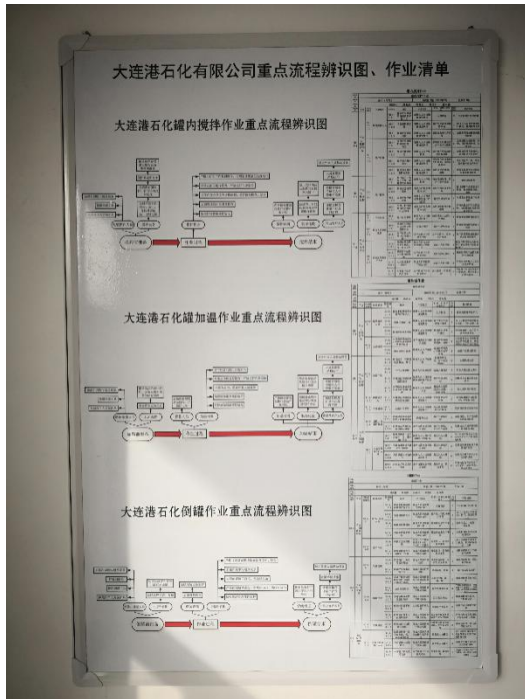
Based on the plan of annual emergency drills and the principle of "Being Practical and Effective", units and departments conducted 223 emergency drills in total and invested a total of RMB 42,000, which helped to enhance the accident rescue and emergency response capability of the Company and its units. In July 2017, the Dalian Port Oil Terminal Company undertook the emergency response drill of "Fire and Explosion of Hazardous Chemicals in Dalian", and accomplished the script planning, on-site arrangement, video recording and editing of the drill and so on. Hundreds of people from the Fire Protection and Security Centre and relevant departments took part in the drill, and the organisation and process of the drill was fully affirmed by the leaders of the port authorities and the Company.



The Emergency Response Drill of "Fire and Explosion of Hazardous Chemicals in Dalian"

In addition, the Dalian Port Oil Terminal Company focused its efforts on organising "double-blind" comprehensive emergency drills while carrying out targeted emergency rescue drills on fire and oil spills. Through such exercises, we focused on testing the adaptability and actual status of emergency rescue equipment, as well as the responders' understanding of and practical skills for the emergency plan and its implementation procedures, to accumulate the experience for handling emergencies.

During the flood season, Davos Forum, 19th CPC National Congress and the end of the year, the Company put forward the requirement of "Three Non-occurrences" to increase patrol inspections on key locations, key places and key positions, reinforced the dynamic workplace inspections by the leaders on duty and continue to make "Daily Report" on production safety. At the same time, we also kept the channels of information open to facilitate the reporting and handling of emergency information. As a result, the Dalian Port continued to operate stably with the concerted efforts conducted on all aspects. In addition, the Company took the production safety approve system as the priority in 2017, and identified 4521 post risks, 73 key processes and 1866 risk factors. In order to remind the new and old staff of production risks and preventing them in time, the Company hung the safety risk disclosures on walls.



Safety risk disclosures on walls

Hazardous Chemical Management

Acting upon the *General Office of the Municipal People's Government of Dalian Circular on Issuing Comprehensive Safety Management Scheme for Hazardous Chemical* and the *Circular on Issuing Management Scheme for Hazardous Chemicals in the Port of Dalian*, and with the intention of improving safety management standards and technology levels for hazardous chemical, especially in critical areas, the Dalian Port entrusted several third-party organisations to detect and assess major hazard sources, based on which the *Roll-on Roll-off Passenger Ship Port Operation Safety Standards* was instituted and advocated within the port. Furthermore, two monographic studies, - the *Classified Storage of Dangerous Cargo Containers* and the *Technical Measures of Lightning Protection for Oil Storage Tank* -, were accomplished through overall inspection and hierarchical control of safety risks. So far, the Company has identified 4,377 cases of post danger sources, 391 cases of orange risks, 831 cases of yellow risks, 3,155 cases of blue risks, 56 cases of key processes and 654 cases of risk points, and therefore requires immediate rectification (or within a definite period if impossible) of them, improvement of management and control of high-risk chemicals, major hazard sources, hazardous chemical tank area risks and hazardous chemical storage and transportation safety, close monitoring and maintenance of storage tanks, and information reporting; units dealing with hazardous chemicals, as required, carry out pre-loading inspection, strict assurance for loading and unloading and control of port planning and employee qualifications, and ensure effective function of the Dalian Port Safety Integrated Information Platform, the Emergency Command Platform and the Dalian Port Dangerous Operation Supervision Information Platform. In order to minimise risks of hazardous

chemicals, units dealing with hazardous chemicals regularly review and keep disposal plans on file, thereby regulating command and dispatch, outfit equipment and training and evaluation of rescue teams and optimising rescue process for hazardous chemicals emergency.

Safety Promotion

In response to the arrangement on safety production by Dalian municipal government, and in accordance with the *Plan of Creating Hazard-free Environment for Workers*, we encouraged employees to learn safety and health knowledge by means of activities themed "Safety and Health Cup", "Hazard-free for Employees" and 'Three-Non' Team Competition, organised more than 2,400 employees to participate in the online knowledge contest of production safety held province-wide, and mobilised and rewarded employees to detect and report production safety hazards or occupational health risks.



Safety and Health Cup



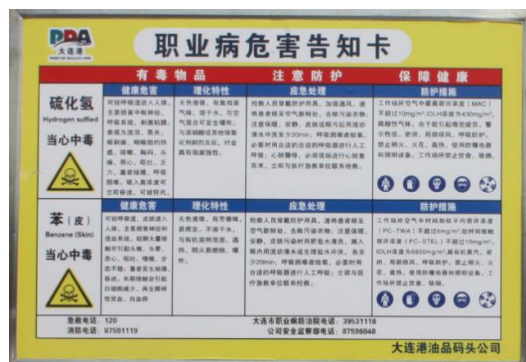
Hazard-free for Employees and 'Three-Non' Team Competition



Provincial online knowledge contest of production safety

Occupational Health Protection

The Company attaches great importance to the occupational health and safety of our employees. On the basis that all employees are covered by physical examinations, all 87 major units of the Company that have contact with hazardous materials have all accomplished the OHSMS certification, set up occupational hazards warning signs, bulletin boards, warning instructions in Chinese and prepared the occupational health operating procedures for all posts.



Occupational hazards warning signs, bulletin boards and warning instructions in Chinese

In January 2017, the Dalian Port Oil Terminal Company invited experts from the Dalian Occupational Disease Prevention and Treatment Hospital to lecture on occupational health knowledge, aiming to guarantee employees' safety in a practical way.



Lectures by experts from Dalian Occupational Disease Prevention and Treatment Hospital

Operation Responsibility Management

Product Liability

At the Dalian Port, we always uphold that it is our responsibility to increase value for customers and our bottom line to provide high-quality services, and operate in an honest, value-added, safe and environment-friendly fashion. Specifically, we offer tailor-made replicable standard services to meet needs of different customers, and, focusing on expansion of supply chain service features and innovation of customised services, gather resources elements to provide high-quality services and build up soft brand power. The Dalian Port, by organising the brand display activity of Quality & Innovation, required that all units tap into existing services and management brands, building brands one by one. The *Dalian Port Journal* would have a special column for superior brands, which, in the meantime, would be promoted over the internal website, WeChat or other platforms. This would drive our employees to do their bit for branding, thereby improving our brand value and social reputation on a continuous basis.



Operation and service concept of the Dalian Port

The Dalian Port set up series of management regulations for service quality, information publicity, data protection, etc., which is a strong evidence that the Company attaches great importance to normativeness and safety when rendering services. This facilitates the effective integration of corporate culture building with production and operation management. In

addition to that, subsidiaries are stimulated to apply for "three-system certification" and refine service quality, and are required to reject false publicity and brand information plagiarism, so as to keep a positive brand image.

The Dalian Port owns the largest domestic crude oil, refined oil and liquid chemicals tank group, super storage capacity and annual throughput capacity that provide a strong support for the normal operation of the port, thereby making the oil shipping brand of the Dalian Port more influential in the coastal region of the Bohai Sea and becoming the backbone of building an international shipping centre in North-east Asia. The Dalian Port makes full use of the advantages of deep water wharfs, entering Big Ship Era without breaking strides. The Company sticks to the commitment to provide corresponding wharfs for every ship, irrespective of sizes; Berth 22# with a water depth of 27 metres, built in 2010, is the first and the only one for 450,000-tonne crude oil tankers in China, which is so far a record holder in terms of design water depth, engineering equipment modernisation, national key scientific and technological project, etc. In March 2017, IT Europe, the biggest oil tanker of the world,



was berthed at the northern port of China for the first time.

IT Europe

In terms of compliance management, the Company strives to identify risks and follow relevant laws and regulations for product liability, in an attempt to set the pace in legal compliance. In 2017, the Dalian Port did not violate any laws or regulations for product liability.

The laws and regulations that Dalian Port (PDA) Company Limited complies with for service quality management

Internal Systems	External Laws and Regulations
✓ <i>Dalian Port (PDA) Company Limited Regulations for Special Materials Transportation Management</i>	✓ <i>Law of the People's Republic of China on the Protection of Consumer Rights and Interests</i>
✓ <i>Dalian Port (PDA) Company Limited Regulations for Freight Service Quality</i>	✓ <i>Advertisement Law of the People's Republic of China</i>
✓ <i>Dalian Port (PDA) Company Limited Regulations for Customer Satisfaction Evaluation Management</i>	✓ <i>Railway Law of the People's Republic of China</i>
✓ <i>Dalian Port (PDA) Company Limited Regulations for Informationalised Safety Management</i>	✓ <i>Road Transport Regulations of the People's Republic of China</i>
	✓

- ✓ ISO9001 Management System
- ✓ ISO14001 Management System
- ✓ OHSAS18001 Management System
- ✓

Considering that feedback from customers is essential to the healthy development of a company, the Dalian Port, in the course of rendering service, communicates efficiently with customers and carries out customer satisfaction surveys with the help of customer call service system, mobile apps, micro port service, and other information service platforms. The Company, facing up to customers' feedback, keeps improving services and management based on deliberate analysis of their opinions and suggestions.

Communication platform

Service Hotline

Mobile APP

Micro Port System

Supply Chain Management

The Company is committed to establishing standardised and effective supplier management system, which aims to take the interests of suppliers into consideration while ensuring our own interests and achieve coordinative development together.

In combination with our actual situation, the Company revised the *Guidelines of the Dalian Port on the Authorization and Approval of Financial Activities*, in a view to establish a scientific and effective supplier management system, standardise supplier management, and bring the advantages of centralised purchasing into full play, thus improving procurement quality, reducing procurement costs and preventing procurement risks. The guidelines cover both product suppliers and service providers contracted with the Company. In accordance with the guidelines, we strictly implement the supplier review and approval process, give full consideration of access conditions of different types of suppliers, and carefully review their qualifications. At the beginning of each month, the material supply centre publishes the list of newly-introduced suppliers. Meanwhile, complaint hotline was set up to promote transparent and effective competition among the suppliers.

At the same time, the Company actively publicises and enhances the concept of environmental and risk management among suppliers and pays close attention to their performance in the field of environmental and social risk management, expecting to join hands with suppliers in improving the CSR performance of the industrial chain.

Anti-corruption

The Dalian Port has a policy of zero tolerance for corruption. With the corporate culture featuring self-improvement, virtue and honesty, the Dalian Port has formulated the *Views on Strengthening Pre-Control Management of Integrity risk*. It details that all units should take a bottom-up and top-down combined approach to identify integrity risks in key posts and processes under the leadership of the integrity risk pre-control management leadership group, as well as give ratings of integrity risks to different posts, on which the Discipline Inspection Commission and Supervision Department of the Company is given a debriefing. Furthermore, the Company keeps improving pre-control measures based on the principle of "supplementing what is needed", resolving discovered issues, standardising duties of different posts, working procedures, management systems and operation mechanisms, summarising

innovation in a timely manner, and raising pre-control concept of integrity risks in order to achieve scientific pre-control and effective prevention of integrity risks and prevent the occurrence of intentional fabrication, disclosure of trade secrets, graft, misappropriation, embezzlement and dinners or presents in exchange for favour.

The Company standardises decision-making processes, and operate in compliance with the laws and regulations. Critical decision-making, appointment of key personnel, arrangement of big projects and capital operation of huge sum must be carried out in accordance with the *Critical Decision-Making System Regulations of the Dalian Port*, which contributes to anti-corruption and spurs integrity among leadership levels. In addition, the Company has great expectations that management with party membership, especially senior executives, should act on the *Anti-corruption Guidelines for Leaders with CPC Membership* and the *Anti-corruption Regulations for Leaders of State-owned Enterprise*. Cadres should never directly or indirectly invite personnel in related units to dinners in exchange for favour; banquets must be reported according to relevant procedures under supervision; and taking bribes in the form of wedding, funeral and birthday gifts in return for help is prohibited. As stipulated in the *Supervision and Management Regulations for Business-related Consumption of Responsible Persons of State-owned Enterprises*, all units have formulated their own detailed management rules and reported them to the Discipline Inspection Commission and Supervision Department; as required by the Dalian Port, each unit should conduct self-inspection of responsible persons' consumption management and then form a report thereon, and set a ledger for business-related consumption expenditure by responsible persons, with related documents submitted to the Discipline Inspection Commission and Supervision Department, in an effort to curb extravagance on public funds.

Acting upon the *2013-2017 Plans for Establishing and Improving Corruption Punishment and Prevention System*, the Dalian Port provides channels and guidelines for reporting misconducts, and improper or illegal acts within the Company. Employees who find improper acts should report them through leadership mailbox, party member mailbox, auditor mailbox, tender complaint mailbox, customer service hotline and other reporting channels. Also, the Dalian Port joins forces with disciplinary inspection, risk control, public security, audit and other departments to investigate cases, checks complaint letters from the public carefully, aimed at not wronging an innocent person and letting go of a guilty one. These efforts get to the root of the problem, and help to prevent the occurrence of corruption and bribery in depth and protect the interests of employees.

Community Investment

The Company faithfully follows the spirit of the 19th CPC National Congress and General Secretary Xi Jinping's strategic thinking on poverty alleviation and earnestly implements the poverty alleviation arrangements of the CPC Central Committee, the CPC Liaoning Provincial Committee and the CPC Dalian Municipal Committee as a significant political task and an incumbent social responsibility. With the care and support of the CPC Dalian Municipal Committee and Dalian Municipal Government, we adhere to the principle of being realistic and pragmatic as well as pioneering and innovative, and take "Four Highlights" as the guide to make full use of our own advantages to carefully organise and coordinate the work of targeted assistance. We visit from door to door in the poor villages and conduct thorough investigations to understand their economic development status, the channels to increase peasants' income, their advantages in resources and potentials for development, and make joint efforts with cadres of poor villages on developing countermeasures, to figure out the right way to achieve prosperity and ensure those really suffering from poverty are lifted out in a practical and permanent way.

In response to the *Notice on Further Strengthening Targeted Poverty Alleviation Province-wide Jointly Issued by the General Office of CPC Liaoning Provincial Committee and the General Office of the People's Government Liaoning Province*, the Company has been responsible for the poverty alleviation work at Guangsheng Village, Lijia Town, Heishan County, Jinzhou City since the beginning of 2016. In order to improve village-level infrastructure construction to change the backwardness and enrich the amateur cultural life of poor households, , the Company invested RMB 460,000 in 2017 to build two sets of rural cultural squares (Guangsunntun Culture Square and Yanjiatun Culture Square) integrated with functions of landscaping, beatifying, afforestation, physical fitness, cultural entertainment

and services in science popularisation. These squares have become the place for village assemblies, group activities and entertainments of villagers in slack seasons, which greatly improved their cultural life.

Pursuant to the notice on adjusting targeted poverty alleviation at rural villages in Dalian city in 2017, the Company's targeted villages for assistance were adjusted to five villages at Lejia Town in Pulandian District, namely, Shahe Village, Lejia Village, Miaoling Village, Duifeng Village and Lufeng Village. In a view to deliver a good assistance for these five villages, the Company implemented the work for targeted poverty alleviation in a proactive way through efforts like specially setting up a leading group for poverty alleviation, communicating with relevant leaders of Pulandian District for many times and conducting field study in the five poor villages in Lejia Town.

Focus on Targeted Poverty Alleviation

In order to better implement the targeted poverty alleviation and bring the resources into full to deliver reasonable assistance, the Company cancelled our assistance for marginal poor households and focused our efforts on helping 470 low-income families and five-guarantee families in the five villages. Our targeted work fell into two aspects, namely, improving living conditions and enhancing the ability to get rich.

Improving living conditions

- We made visits to the poor households to learn about their difficulties in production and life, helped them improve the basic living conditions and sent necessities worth more than RMB 160,000 of rice, flour, oil and etc.
- We paid visits to some poor households and delivered special grants during festivals.

Enhancing the ability to get rich

- We gave priority to employing qualified labour from poor households based on their own willingness to increase their income.
- For poor families lack of funds and technologies, we mobilised them to take the opportunity of vigorous development of greenhouses in the town and supported their projects.

Poverty Alleviation through Strengthening Industrial Development

In 2017, the Company increased investments in the construction of agricultural facilities and new projects and helped to build more than 60 vegetable greenhouses, 3 small bridges and 12 village roads with a total extension of more than 30 kilometres, which greatly facilitated the travel of villagers and sales of agricultural products. In addition, the Company has invested RMB 1 million to solve the problems of power supply for sunlight greenhouse construction in Lejia Town due to funds shortage, including measures like newly setting up 3 sets of 100 kV transformers, increasing the capacity of 9 transformers, erecting 130 new poles and suspending 4 km of low-voltage and high-voltage overhead insulated power line, which strongly supported the development of income-increasing industry in Lejia Town.



Greenhouses for vegetable

Poverty Alleviation through Improving Employment

In combination with our actual development, the Company puts forward the guiding principles for targeted poverty alleviation of giving priority to and providing special assistance for the labour service export industry in Lejia Town, and strives to build the town into a labour supply base together with villagers there. The Company provided more than 100 jobs for villagers, which brought them income of more than RMB 5. At the same time, we strengthened the efforts on the education and training of workers from Lejia Town on the knowledge, skills, concepts, management and other aspects, which provided a strong intellectual support and quality assurance for the development of the town. Meanwhile, the Company fully supported the development of Lejia Town Labour Service Company and gave strong support for introducing advanced management concepts and accessing the loading and unloading market, to help the Labour Service Company develop into a specialised stevedoring service provider with satisfied strength and size.

Protection of Employees' Rights and Interests

Driven by the corporate values of being people, customer and responsibility-oriented, the Dalian Port views employees as the most valuable assets to push forward. We treat internal employees and dispatch external labour force equally, protect the legitimate rights and interests of employees, promote competence building, care about employees' work and life and create fair and broad development channels for employees, with a view to inspiring employees' initiative and creativity, enhancing their sense of belonging and happiness and securing a co-development with employees.

Employment and Rights and Interests of Employees

The Dalian Port respects and protects rights and interests of employees, striving for harmonious labour relations. In 2017, in compliance with the *Labour Law of the People's Republic of China*, the *Labour Contract Law of the People's Republic of China* and the *Social Insurance Law of the People's Republic of China* and other laws and regulations, the Company abided by and kept improving corporate employment management system, optimised supervision and management system of employee rights and interests, as well as established an effective employee security system to protect the legitimate rights and interests of employees.

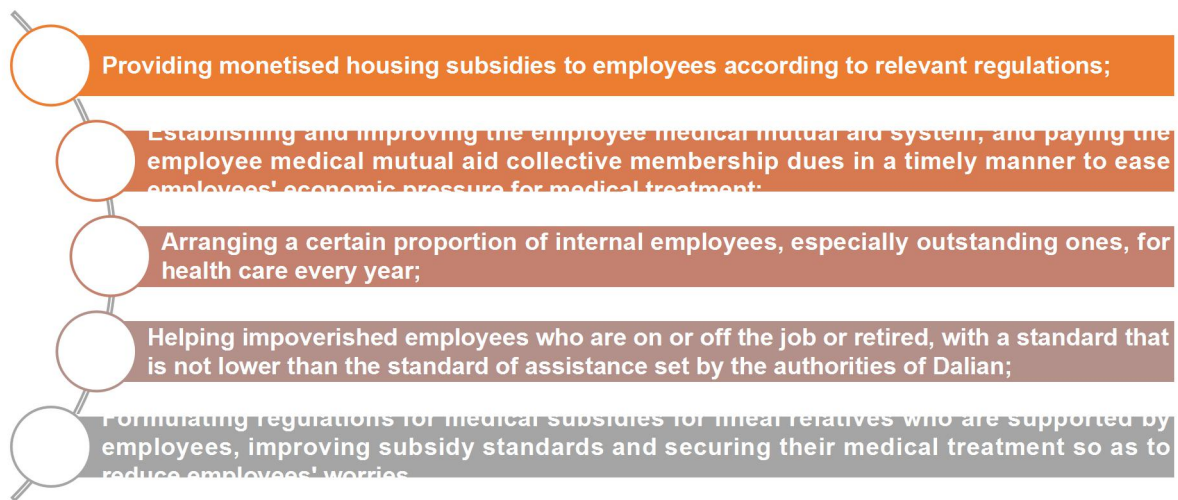
In accordance with the provisions of the *Dalian Port (PDA) Company Limited Labour Contract Management Regulations* and the *Dalian Port (PDA) Company Limited Collective Contract*, the Dalian Port signs labour contracts with all employees, following the principle of legality, fairness, equality and voluntarism, consensus, honesty and credibility. The Company complies with national policies for labour contract, fulfilling relevant obligations in earnest.

In the light of the *Dalian Port (PDA) Company Limited Detailed Regulations for Remuneration Management*, remuneration is composed of three parts, - basic salaries, performance pay

and allowances. The Dalian Port set up a remuneration management system that integrated position, performance and competence to stimulate employees to learn conscientiously and work hard, and therefore to sharpen occupational skills and overall quality.

The Dalian Port strictly implements the national work hour system, and has formulated the *Dalian Port (PDA) Company Limited Attendance and Leave Management Regulations* and the *Dalian Port (PDA) Company Limited Paid Annual Leave Regulations*, which stipulate that employees enjoy rights of legal holidays, annual leave, marriage leave, home leave, bereavement leave, maternity leave, sick leave, work injury leave and so on.

In accordance with the Social Insurance Law of the People's Republic of China, the Dalian Port pays adequate contributions to social insurances for employees in a timely fashion, including pension scheme, basic medical insurance, work injury insurance, maternity insurance, unemployment insurance, housing fund, etc.



In addition, the Dalian Port puts a premium on interests of employees and employee care, providing favourable supplementary benefits for them, such as supplementary medical insurance, birthday allowance, wedding allowance, holiday benefits, rental subsidy as well as infant rooms.

The Dalian Port provides fair and reasonable job opportunities. Recruitment, remuneration, training opportunities, promotion, demotion, retirement and other workforce affairs are based on occupational competence and job demands, with no discrimination on the grounds of race, social status, nationality, religion, physical disability, sexual orientation, trade union membership and governmental connections.

The Dalian Port never falls foul of the laws and regulations. Acting upon the *Child Labour Recruitment Prohibitions* of the People's Republic of China, the Company had no involvement in child labour recruitment in 2017.

Upholding the principle of equality and voluntarism, the Dalian Port fully understands employees' choices, supports employee development, and coordinates necessary procedures, e.g. personnel files and social security transfer for employees who voluntarily terminate labour contracts. In accordance with relevant laws and regulations, labour contracts can be terminated if employees fail to fulfil the contractual obligations or pass qualification assessment upon expiry of contract.

Trainings and Development

The Company always upholds the idea of "People Oriented and Talents Foremost". We attach importance to exploring the value of talents, deepen the implementation of talent-oriented cultivation concept and provide training opportunities for employees to facilitate their growth and development and bring their potential into full play.

The Company strictly implements the *Administrative Measures of the Dalian Port on Employee Trainings* and continuously strengthens the development of staff training system. We prepare and issue staff training plan each year and all units regularly organise training activities accordingly. The HR departments then make statistics on course plans, training summaries, attendance sheets, evaluation forms and staff training hours and other information.

Internal trainings

The Company provides trainings for the employees by internal lecturers or professional trainers.

External trainings

Based on the needs of work or mandatory requirements of the superior departments, we delegate employees to attend trainings organised by training agencies or the superior departments.

Amateur learning

According to job requirements, we encourage employees to take their spare time in attending courses for academic degrees.

On-boarding trainings	We conduct a series of trainings for our new recruits, covering company overview, corporate culture, safety regulations, code of conduct, and provide planning and guidance for their career development.
Job adaptive trainings	Based on requirements for the job, we provide professional trainings on the knowledge and skills that employees need to master in their career development.
Job qualification trainings	According to the requirements of job qualifications, employees who have to be certified must be qualified in job qualification trainings.
Job-transfer trainings	When there are adjustments in positions, we conduct job-transfer trainings for employees to better fit in the new job.
Promotion trainings	When employees are promoted, we carry out trainings to enhance their knowledge and skills, so that they can meet requirements of higher positions.

Taking the opportunity of selecting and making good examples, the Company initiated activities to establish the "Employee Innovation Studio" for the first time in the Port, which became another platform for developing the innovative potential of employees and improving the innovation capability of the enterprise. At the same time, we actively promoted the development of model workers innovation studio with thematic series published in the *Port of Dalian* magazine, arousing enthusiasm for innovation and learning.

In addition to complying with the *Provisions of Dalian Port on Staff Safety Training Management*, the Dalian Port Railway Company has developed the Staff Safety Training Requirements Matrix to further promote the implementation of safety trainings for all staff. All 17 safety education and training programs were delivered in 2017. In addition, the Dalian Port Railway Company creatively applied and transformed the WeChat platform to establish the "Railway Guardians" group chat and the "Safe Dalian Port Railway" official account to release

various safety information, which enabled all the units to collect and understand the information on production operation in a timely manner and conduct self-examination accordingly.

Caring for Employees

The Company cares for employees and enhances the sense of belonging and happiness through organising rich spiritual and cultural activities and solving practical difficulties for employees.

The Company carried out service activities themed "serving the grassroots, caring for employees and front-line workers" at 29 units in Changxing Island, Zhuanghe, Taiping Bay, Lushun and Dayao Bay, and delivered heatstroke prevention and cooling supplies for front-line workers, including 800 boxes of drinks, 940 watermelons, 1760 towels, 670 bags of ginger candy.

In 2017, the Company organised the labour union to visit more than 5,200 employees throughout the year, distributed special grants of over RMB 1.7 million and offered goods and materials worth RMB 210,000. We provided caring funds for a number of employees suffering temporary difficulties, which effectively guaranteed their basic livelihood.

The Company actively promotes culture construction and inherits fine traditions and excellent culture. With the theme of "carrying forward the spirit of an old wharf and demonstrating the style of our staff", we organised the Seventh Employee Culture and Arts Festival and received 1549 pieces of original works of photography, calligraphy, paintings, couplets, poetry, prose and micro-films. Additionally, employees of units created and played various entertainment programs themed "celebrating the successful convocation of the 19th National Congress and jointly building the dream of strong harbour", and presented those elected out for the grassroots staff. Colourful cultural activities enrich the amateur life of employees, help to cultivate their temperament, and ease the pressure of work, thus enhancing their cohesion and solidarity, as well as the sense of belonging and honour.



Appendix: ESG Reporting Guide

Issues	Description of Issues	Corresponded chapter in the report
Subject Area A. Environmental		
Aspect A1: Emissions		
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non-hazardous waste.	Green Operation P5
KPI A1.1	The types of emissions and respective emission data.	Key Performances P10
KPI A1.2	Greenhouse gas emissions in total (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	
KPI A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	
KPI A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	
KPI A1.5	Description of measures to mitigate emissions and results achieved.	Green Operation P5,P6,P7
KPI A1.6	Description of how hazardous and non-hazardous wastes are handled, reduction initiatives and results achieved.	Green Operation P5,P6,P7
Aspect A2: Use of Resources		
General disclosure	Policies on the efficient use of resources, including energy, water and other raw materials.	Green Operation P11
KPI A2.1	Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000s) and intensity (e.g. per unit of production volume, per facility).	Key Performances P10
KPI A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility).	
KPI A2.3	Description of energy use efficiency initiatives and results achieved.	
KPI A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency initiatives and results achieved.	
KPI A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced.	Not Applicable
Aspect A3: The Environment and Natural Resources		
General disclosure	Policies on minimising the issuer's significant impact on the environment and natural resources.	Green Operation P5,P6,P7
KPI A3.1	Description of the significant impacts of	Green

	activities on the environment and natural resources and the actions taken to manage them.	Operation P5,P6,P7
Subject Area B. Social		
Employment and Labour Practices		
Aspect B1: Employment		
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare.	Protection of Employees' Rights and Interests P21
KPI B1.1	Total workforce by gender, employment type, age group and geographical region.	—
KPI B1.2	Employee turnover rate by gender, age group and geographical region.	—
Aspect B2: Health and Safety		
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to providing a safe working environment and protecting employees from occupational hazards.	Health and Safety Protection P12,P13,P14
KPI B2.1	Number and rate of work-related fatalities.	Health and Safety Protection P12
KPI B2.2	Lost days due to work injury.	—
KPI B2.3	Description of occupational health and safety measures adopted, how they are implemented and monitored.	Health and Safety Protection P15,P16
Aspect B3: Development and Training		
General disclosure	Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities.	Protection of Employees' Rights and Interests P23
KPI B3.1	The percentage of employees trained by gender and employee category (e.g. senior management, middle management).	—
KPI B3.2	The average training hours completed per employee by gender and employee category.	—
Aspect B4: Labour Standards		

General disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labour.	Protection of Employees' Rights and Interests P21,P22
KPI B4.1	Description of measures to review employment practices to avoid child and forced labour.	—
KPI B4.2	Description of steps taken to eliminate such practices when discovered.	—
Operating Practices		
Aspect B5: Supply Chain Management		
General Disclosure	Policies on managing environmental and social risks of the supply chain.	Operation Responsibility Management P19
KPI B5.1	Number of suppliers by geographical region.	—
KPI B5.2	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, how they are implemented and monitored.	—
Aspect B6: Product Responsibility		
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress.	Operation Responsibility Management P17
KPI B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons.	Not applicable
KPI B6.2	Number of products and service related complaints received and how they are dealt with.	—
KPI B6.3	Description of practices relating to observing and protecting intellectual property rights.	—
KPI B6.4	Description of quality assurance process and recall procedures.	—
KPI B6.5	Description of consumer data protection and privacy policies, how they are implemented and monitored.	—
Aspect B7: Anti-corruption		
General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and	Operation Responsibility Management P19

	regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering.	
KPI B7.1	Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases.	—
KPI B7.2	Description of preventive measures and whistle-blowing procedures, how they are implemented and monitored.	—
Community		
Aspect B8: Community Investment		
General Disclosure	Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into consideration the communities' interests.	Operation Responsibility Management P20,P21
KPI B8.1	Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport).	—
KPI B8.2	Resources contributed (e.g. money or time) to the focus area.	—