



Jordan Industrial Ports Company

شركة الموانئ الصناعية الأردنية

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Jordan Industrial Ports Company Environmental Report 2023



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Introduction:

Jordan Industrial Ports Company (JIPC), Jordan's premier gateway for international fertilizer commerce. Established in 2009, strategically located in Aqaba, 22km south of the city.

Jordan industrial ports company (JIPC) is a joint venture between Arab Potash Company (APC) and Jordan Mines Phosphate Company (JPMC), where Aqaba Development Company granted the right to develop, operate and upgrade the industrial port to increase terminal capacity of dry and liquid bulk materials import and export and to cope with APC and JPMC and their affiliates for the next 30 years Expendables.

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Port Performance Level:

The Port is committed to provide its service to customers and stakeholders through maintaining industry-leading facilities, excellence, and high safety and environmental awareness. Specific performance indicators are used as criteria and regularly reported to the grantor ADC.

Terminal Location:

Coordinates:

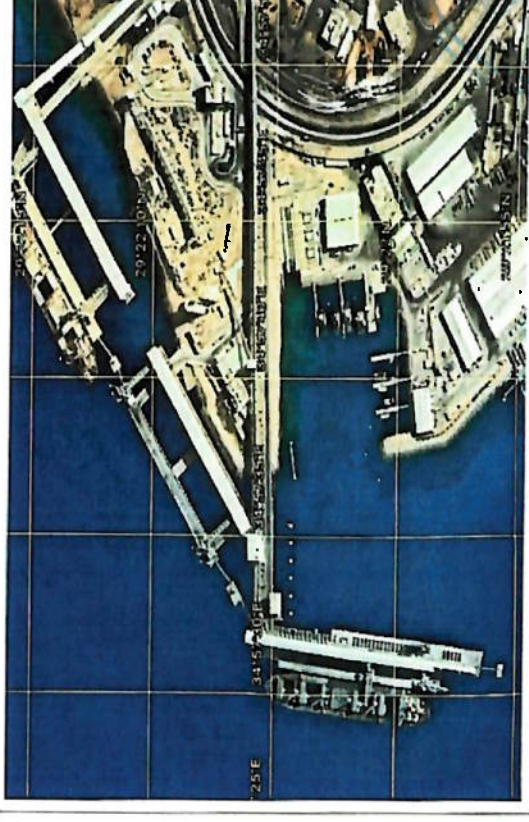
Latitude: 29°22' north

Longitude: 34° north

East jetty: N29° 22' 02.5" E34° 5732.1"

West jetty: N29° 22' 04.6" E34° 5731.1"

North jetty: N29° 22' 11.3" E34° 5739.6"



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Port Activities:

The port carries out a variety of duties, including:

- Safe vessel operation.
- Maintaining port security.
- Environmental monitoring.
- Infrastructure development.
- Customer services.

The north berth receives dry bulk carriers between 5,000 and 100,000 DWT to be loaded with fertilizers.

The west berth can receive dry bulk carriers up to 50,000 DWT either for import of raw material or for export of final products from fertilizers industry. The west berth can further welcome chemical tankers to be loaded with phosphoric acid.

The East berth is dedicated for liquid bulk Handling only, either loading of phosphoric acid or offloading of liquid ammonia.

Vision:

To participate in the acceleration of Jordan's trade prosperity through sustainable ports services

Mission

Empowering our stakeholders through safe, green, agile, and integrated ports services

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Competencies

- Ports management.
- Maintenance capabilities.
- Handling of dry bulk and liquid bulk materials.
- Transit storage of Sulphur material at our own stores.
- Providing other services to vessels visiting us.

Our Values

- Honesty and Fairness.
- Social Responsibilities by conserving the environment, respecting the values of the local community and creating good job opportunities for Jordanians.
- Safety oriented, protection of people and materials.
 - Teamwork.
 - Integrity and transparency in everything we do.
 - Cost consciousness.

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Success Factors

- Team collective experience in various fields.
- On-time delivery of services.
- Value-adding services.
- Dedicated and skilled workforce.

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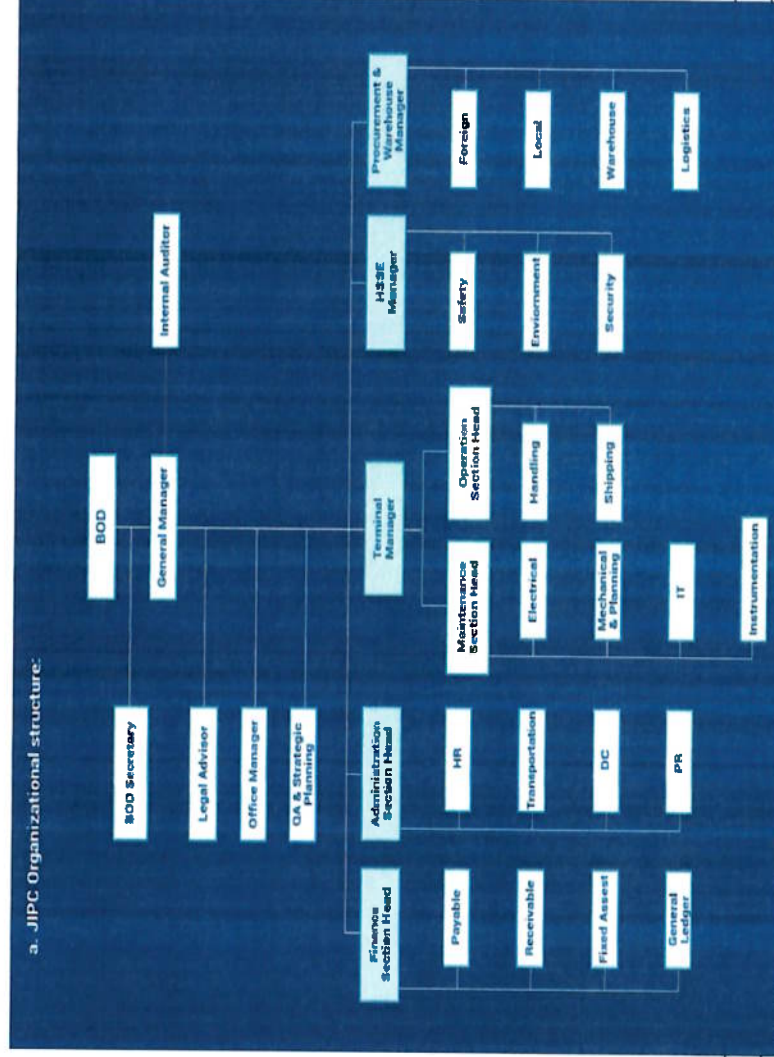
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JIPC organization structure:



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JIPC's Reference List:

References List



✓	Aqaba Development Corporation
✓	Arab Potash Company
✓	Jordan Phosphate Mines Company
✓	Ind-Jordan Chemicals Company
✓	Jordan India Fertilizer Company
✓	Nippon Jordan Fertilizer Company

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Our services:

- Material Handling: JIPC with the singed D&O can handle fertilizer and row material for fertilizer and the food industry.
- Sulphur Storage: JIPC Owns 2 Stores with total capacity of 62,500 MT, JIPC Operation extended from unloading the vessel to emptying the stores.
- Vessel Services: At JIPC we provide Vessel services as per our services agreement and list such services can be, water supply, waste management.

Operational capability:

- JIPC Systems are automated, as per the following:
- Conveyor belt export lines with over 15 routes,
- 3 Shiploader (2 thyssenkrupp, 1PHB)
- Sulphur Import Line with Siwertell Ship unloader,
- PA exporting lines (GRP & SS),
- Liquid Ammonia Import Line,
- KANON Marine loading Arms (2 PA, 1 Ammonia),
- SCADA Control system

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Operational capability /Material:

- Sulphur
- Liquid ammonia
- Muriate of potash (MOP)
- Magnesium oxide
- Aluminium hydrate
- Di-ammonium phosphate (DAP)
- Phosphoric acid (PA)
- Nitrogen phosphorus potassium (NPK)

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Handling & Operations Capabilities:

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Material Type / Year	2020	2021	2022
DAP	755,275.000	627,600.000	680,256.000
MAP	0.000	173,376.000	48,200.000
NPK	76,485.000	116,048.000	90,515.000
MOP	1,833,715.000	1,702,913.000	1,887,346.000
SLUPHUR	760,888.603	883,539.137	1,041,297.165
Aluminium Hydrate	17,732.820	9,062.740	19,574.790
PA	1,020,353.399	1,026,188.454	1,124,105.574
AMMONIA	207,102.358	225,658.088	222,920.383
			Growth Rate
			8.39%
			-259.70%
			-22.00%
			10.83%
			17.86%
			115.99%
			9.54%
			-1.21%

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Total	4,671,552.180	4,764,385.419	5,114,214.912	7.3 4%	349,829.493
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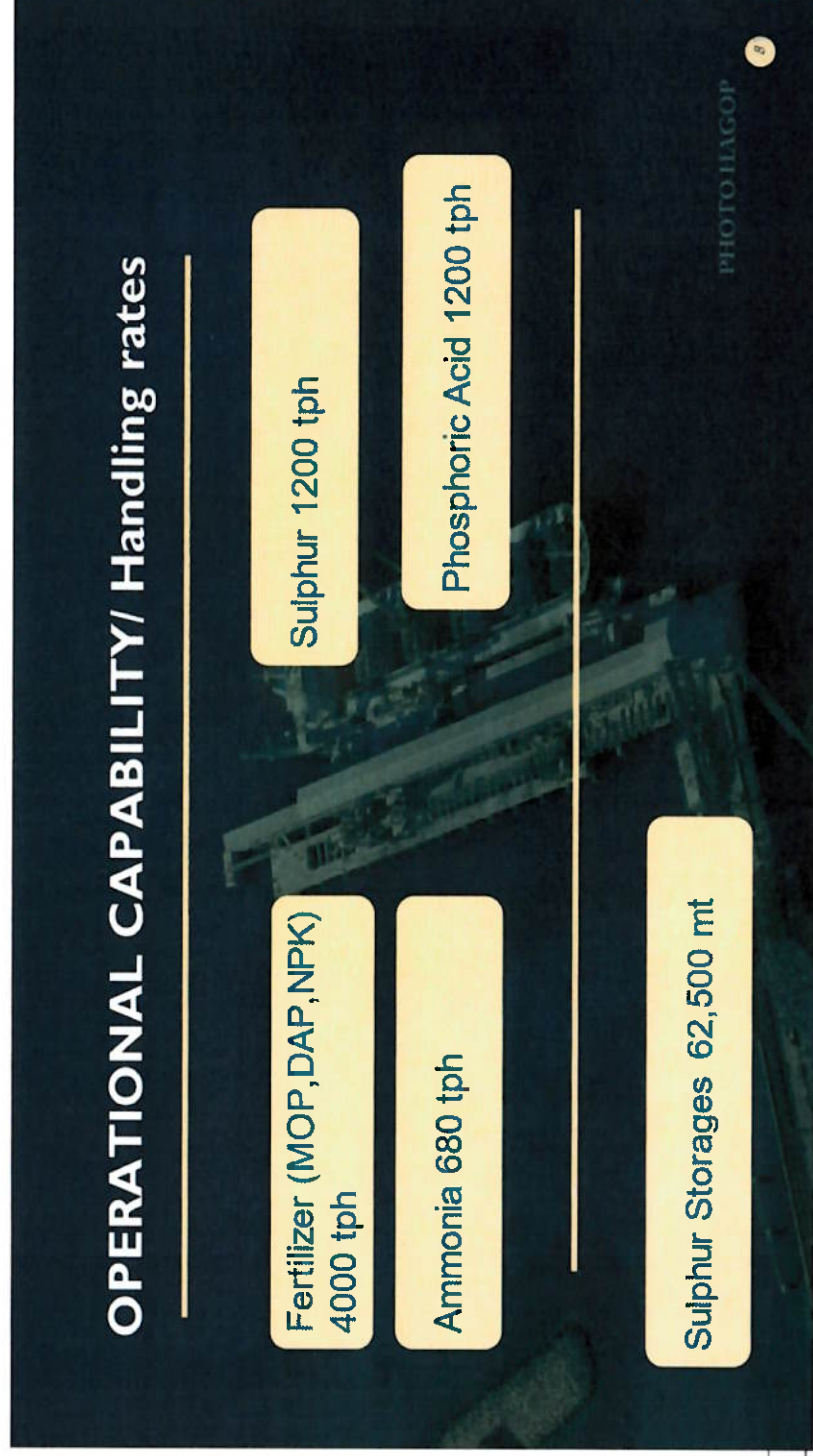
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Liquid Loading Arm Capabilities:

Liquid Bulk	Ammonia	Phosphoric Acid 54%	Phosphoric Acid 54%
Equipment No.	UAS-8010	UAS-8012	UAS-8013
Model / Size	MLA260 / 8" 300#	MLA260 / 8" 150#	MLA260 / 12" 150#
Design Pressure	0-21 BAR	0-13.7 BAR	0-13.7 BAR
Design Temperature	-45°C / +50°C	-19°C / +90°C	-19°C / +90°C
Operation Pressure	8 BARG	6.5 BARG	5.5 BARG
Operation Temperature	-33°C	50°C	50°C

Storage Capabilities:

S/N	Category	Material	Capacity
1	Dry Bulk Import	Sulphur	68000 MT

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JIPC interested parties :

SN	Interested Party	Needs & Expectations	Actions	Remarks
External Parties				
1	Customer:			
1.1	User	Terminal readiness / available berth	Set high VOR/24 hrs / 7 working	
		Minimize vessel time at berth	Minimize BD/zero shift change	
		Delivery on time		
		Reliability		
1.2	Vessel	Reduce the stoppages Reduce berthing period on the jetty	Preventive Maintenance. Speeding up handling process.	
2	Neighbours and communities	Social responsibility and engagement		
3	Agents	Agent satisfaction	High communication and response. Good services in reasonable time.	
4	Providers	Payment on time		
5	Shipping companies	Payment on time and upon actual weight		
6	Suppliers	On-time P.O	Revisit process and approvals cycle	

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	On-time payment	Revisit process and approvals cycle
7	Customs Authority	Full documents for any shipment
8	Government	Comply to their regulations and instructions
9		Donations
10	Social	Social Involvements
11		Voluntary Contribution
12	Legislative bodies	Comply to the regulations
		Documents to be processed upon ICC / UCP and any further Central Bank legislations.
13	Banks	Documents to be fully signed from authorized persons
14	Accreditation bodies	Comply to the standards, maintain, and implement the standards
Internal Parties		
1	Employee	Incentives, promotions, benefits, raising
		Enhance staff skills and capabilities
		Safety at workplace
		Salary as per benchmark in the company
		Logistics
		Training plans / cross & swap function
		Annual and semi-annual audits

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JIPC performance through 2022:

During this year, JIPC received (203) vessels of both liquid and dry bulk, including (9) shared shipments. The figures below show the material breakdown:

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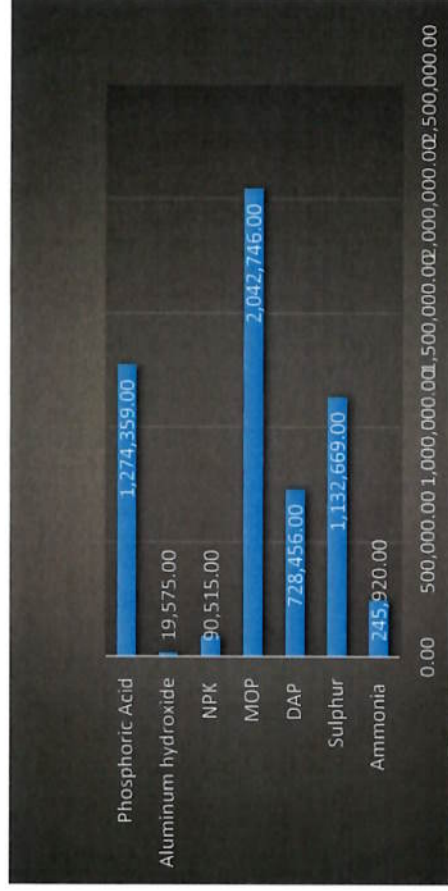
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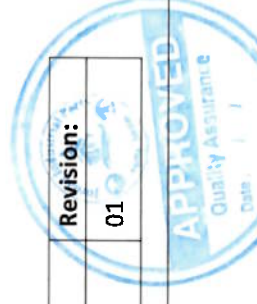
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Handled Material	Amount in MT
Ammonia	245,920.00
Sulphur	1,132,669.00
DAP	728,456.00
MOP	2,042,746.00
NPK	90,515.00
Aluminum hydroxide	19,575.00
Phosphoric Acid	1,274,359.00
Total	5,534,240.00

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Environment Management system:

How do We Save Our Environment?

- Dedusting system
- Sewage treatment unit
- Rainwater treatment unit
- Environmental monitoring system
- Waste Recycling
- Greening (Planting Trees)
- Spill Kits and Oil Boom
- Noise Monitoring
- Air Monitoring
- Sea Water Quality Monitoring
- Zero Discharge to the Sea Policy



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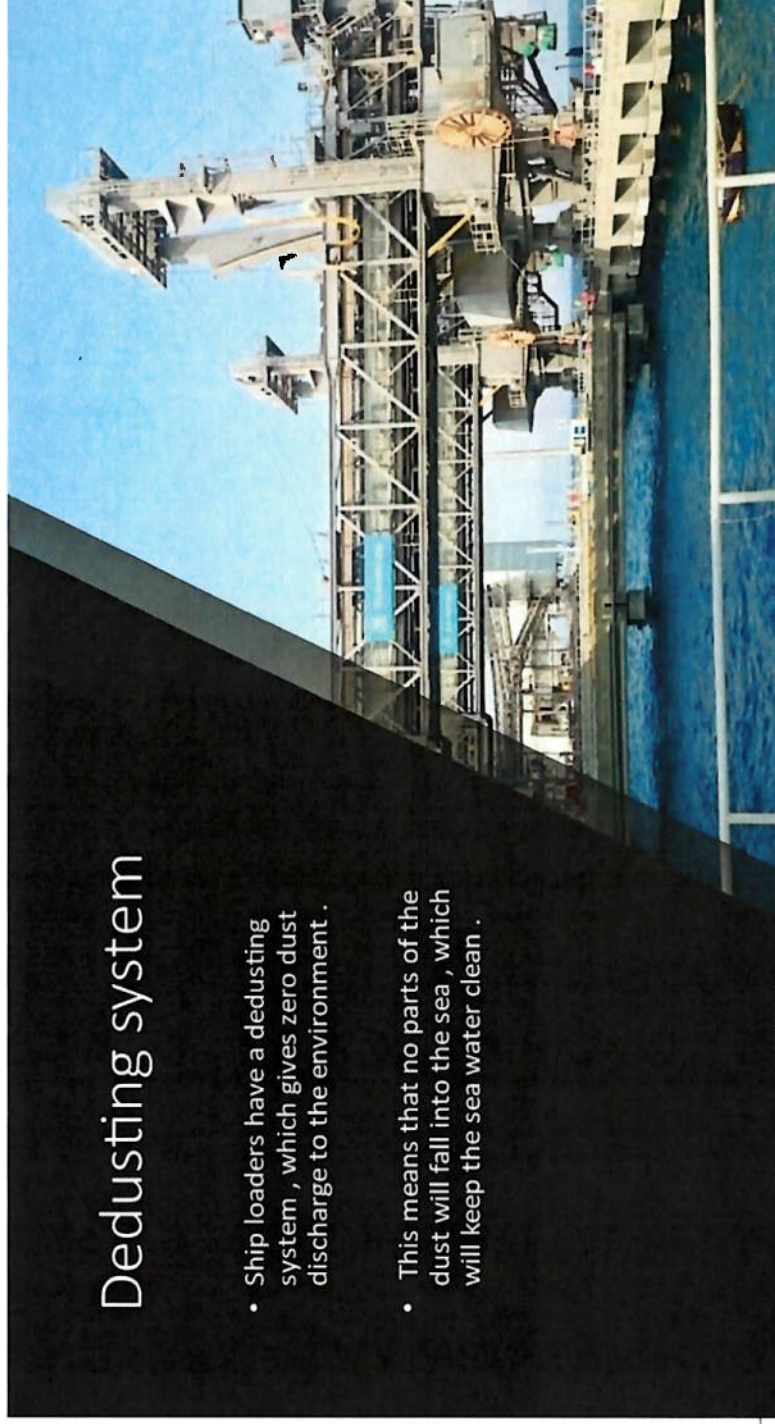
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Dedusting system

- Ship loaders have a dedusting system , which gives zero dust discharge to the environment .
- This means that no parts of the dust will fall into the sea , which will keep the sea water clean .



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sewage treatment unit

- sewage treatment approaches are aimed at reducing pollution of wastewater to the quality that is defined by law or to the concentration of pollution in effluent which will not cause negative effects on human health or environment.
- Treated Water From The Unit is connected To Irrigation System So we Can preserve the Most important Element Of Environment To be used to irrigate Plants
- Treated Water is Monitored By Quarterly Tests to Assure that the unit is Working efficiently and all test Results Met Standards.



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Rainwater
treatment
unit (2 units)

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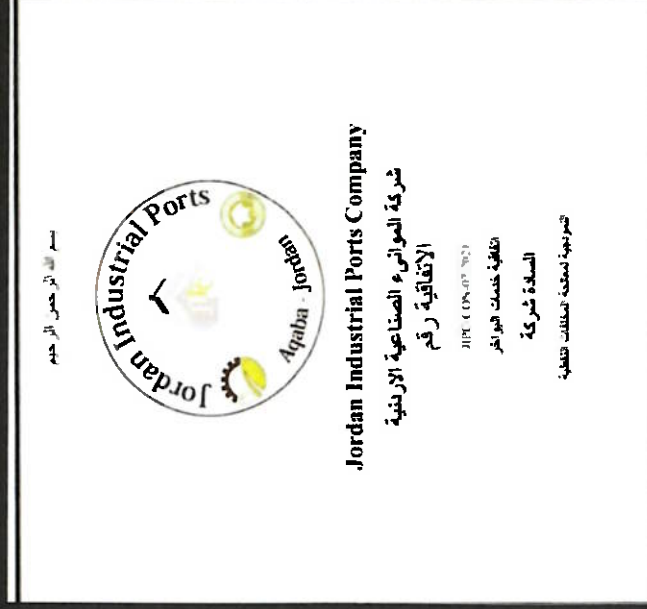
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Services to the vessels :

- 1- Disposal of oily bilge water .
- 2- Disposal of oil sludge .
- 3- Disposal of used lubricating oil .
- 4- Disposal of sewage.
- 5- Disposal of garbage.
- As JIPC Don't have any reception Facility ,Third Party Agreement Had been Done with Authorized Company Approved by ASEZA To provide Services Above.

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Standard Operating Procedure for providing ships with disposal service:

- 1-The vessel shall order the service from the agent 24 hours before, with the approved waste disposal form filled. (MARPOL form)
- 2- The agent shall transfer the service request to Jordan Industrial Ports Company for approval.
- 3- operation supervisor shall forward the service request to HSSE manager/environment officer for approval.
- 4- operation supervisor will revert the request to the agent with its approval as well as any notes added.
- 5- After getting approval, JIPC safety officer will fill JIPC form and compare it to the form which get approved
- 6- Operation supervisor will arrange the service to the vessel (transferring the Garbage).
 - Note:
 - - Extra cost will be added on the items which can't be disposed in the public dump area but in SWAQA dump area.
 - - Cost will be according to the ministry of environment list.
 - - Extra cost will added from JIPC for (handling, storing and transferring) as JIPC service list.
 - (Service provider will obtain any approvals needed From Environment ministry , ASEZA , JMA) Before providing the Service .

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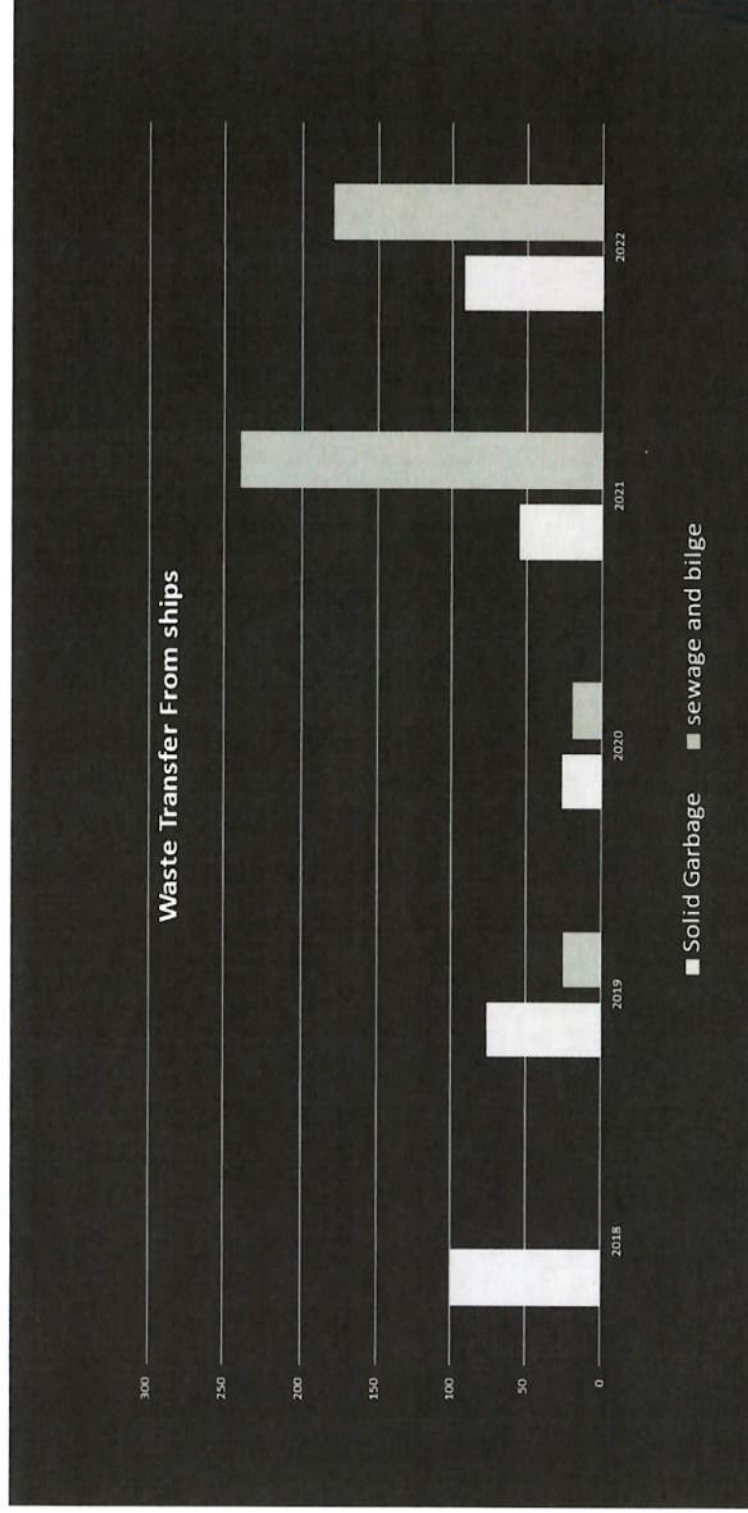
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Memberships:

- 1-Member of Maritime Safety Committee
- 2-Member of Chemical Hazard Assessment Committee
- 3-Member of Maritime Security Committee
- 4-British Safety council

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Waste Recycling

- Recycling Bins are distributed all Around Working Area .

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Third Party Agreements



Hazardous Waste Packaging and
Transferring Agreement
(For Moving Hazardous Waste
To SWAQA Dump Area)



Garbage Disposal and Recycling
Contract
(Authorized Company For
Garbage Removal and For
Recycling (Twice/Week Visit)



Monitoring and Treated Water
Tests Agreement (Twice a year
Tests For Air Monitoring Quality
and quarterly Tests For Treated
Water



Marine Monitoring Program
Contract (Monitoring Will
Include Analysis of Seawater
and sediments)



Waste Transfer From Ships
Agreement (providing Both
Services Sewage & bilge
Transferring and Garbage
Removal

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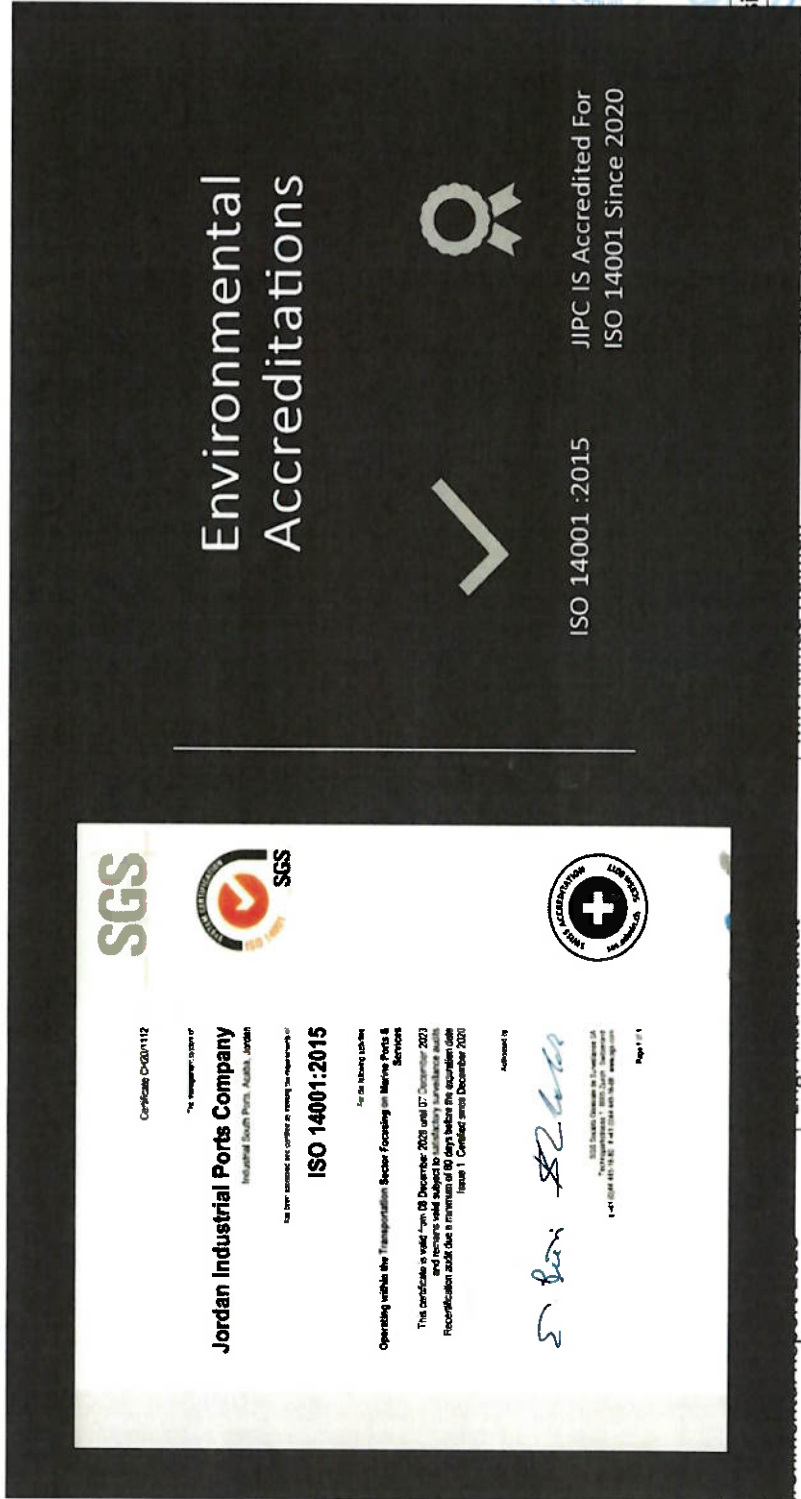
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Title: Environmental Policy Statement	Author: Eng. Alaa Hammad	Authorized: Mr. Ahmad Alarman
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2- Environmental Policy Goals		
1. To inform, to meet the Needs and expectations of all relevant Parties as well as to Comply with the Requirements Related To Our Services, comply with the Environmental Laws and International Legislation in force in the State of Palestine, and to implement the Environmental Management System to include the Environmental Protection, commercial and management practices. Implement environmental laws and Regulations, aimed at protecting the port environment and aimed at preventing Pollution	1. To Carry out Regularly measures and reviews of the Environmental Policies and the environmental management system, taking into consideration the latest research regarding the environment	1. To Carry out Regularly measures and reviews of the Environmental Policies and the environmental management system, taking into consideration the latest research regarding the environment
2. To Ensure Compliance with the National Port Environmental Guidelines, the environmental Guidelines From IMO the environmental guidelines from the world Trade Organization among others	2. To establish Response plans for any negative incidents in the Port area that may have any negative environmental impacts on the sea and land areas that may damage the marine and coastal eco-system and the environment in general.	2. To establish Response plans for any negative incidents in the Port area that may have any negative environmental impacts on the sea and land areas that may damage the marine and coastal eco-system and the environment in general.
3. To Provide appropriate environmental education and training to employees, include consultations and skills of our employees to adopt their knowledge to current and future needs in order to enhance these activities in a continuous and effective way with the environment and always with a view to business growth to other sectors of activity	3. To incorporate procedures to ensure compliance with the local and national environmental Regulations in force	3. To incorporate procedures to ensure compliance with the local and national environmental Regulations in force
4. To encourage appropriate relation with the public and private sector of the port community, include consultations and Stakeholders in terms of environmental issues to promote community participation on-trade at twenty port city-environment	4. To provide the necessary for employees so that they have a positive attitude about environmental issues.	4. To provide the necessary for employees so that they have a positive attitude about environmental issues.
5. To publish every 2 years the Port's Environmental Performance on the Port's website	5. To Continually seek port environmental improvement options by studying and analyzing more developed ports around the world using the Benchmarking methodology	5. To Continually seek port environmental improvement options by studying and analyzing more developed ports around the world using the Benchmarking methodology
6. To continue analyze the needs and establishment of the port community, port authorities and other relevant organizations and other relevant Stakeholders and to contribute as a	6. To improve air quality to maintain poor air quality, enhance environmental protection, reduce pollution	6. To improve air quality to maintain poor air quality, enhance environmental protection, reduce pollution
7. To provide whenever Possible appropriate response to the port relation on environmental issues to port activities	7. To reduce Waste to manage port waste effectively through full implementation of waste stream recycling	7. To reduce Waste to manage port waste effectively through full implementation of waste stream recycling
8. To develop and structure procedures substitute port Development and port activities to reduce the negative impact of port development while coordinating with city development	8. To strengthen relationship with local communities and the business to increase port friendliness and the clients' word to increase Port friendliness	8. To strengthen relationship with local communities and the business to increase port friendliness and the clients' word to increase Port friendliness
9. To ensure access to affordable, reliable, sustainable and modern energy by 2030.	9. Take urgent action to combat climate change and its impacts	9. Take urgent action to combat climate change and its impacts

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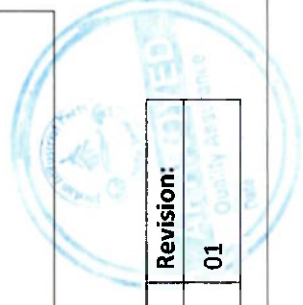
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Environmental Regulations:

Regulation/Instruction/Law	Reference	Aim of the Law	National Authority	Local enforcement Agency
Protection of Environment	Law No. 52/2006	The aim of this law is to achieve the goals of environmental protection and the improvement of its various Elements in a sustainable manner in cooperation and coordination with the competent parties	Ministry of environment	Ministry of Environment/ Aqaba Special economic zone
Marine environment and coastal protection	Regulation No.51/1999	The aim of this law is to protect and improve the marine environment, conserve marine resources, prevent pollution damages, maintain ecological balance, safeguard human health, and promote sustainable economic and social development.	Ministry of environment	Aqaba special economic Zone

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Air Protection	Regulations /2005	The aim of this Regulation is to protect the air against pollution	Ministry of environment	Aqaba special economic Zone
Reduction and prevention of noise	Instructions /2006	the aim of this instruction is to provide statutory controls to restrict and reduce the nuisance caused by environmental noise	Ministry of environment	Aqaba special economic Zone

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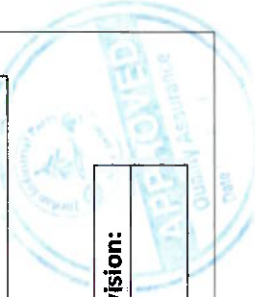
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Jordan Maritime Authority	Law/2002	a) Regulate, supervise and develop the maritime sector including all transportation modes, stationary and moving equipment, labor force, transport auxiliaries and associated services, and provide guidance according to the Kingdom's economic and social plans in conformity with the provisions of ASEZA Law in force. b) Enhance the private sector's role in contribution to improve and develop the maritime sector. c) Encourage competition and prevent monopoly in the sector. d) Contribute in marine environment protection and boost maritime safety	Jordan maritime authority	Jordan Maritime authority
Environmental protection in the Aqaba Special	Regulation No. 21/2001	This Law regulates environmental protection activities; policies, environment	Ministry of environment	Aqaba special economic zone

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		impact assessments and resources for protection of the environment; and the rights and obligations of organization.		
Public Health Law	No. 74 /2008	The aim of this law protecting people from threats to health, preventing disease, and striving for healthy populations	Ministry of health	Ministry of Health
Marpoel Instruction	_____	Regulations aimed at preventing and minimizing pollution from ships	international maritime organization	Jordan maritime authority / Aqaba special economic zone
Basel convention agreement		to protect human health and environment against adverse effect which may result from improper management of hazardous waste	European Union Agency for Law Enforcement Cooperation (EUROPOL)	Jordan Maritime Authority

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ISO Standards	9001 /14001/45001	The aim is to ensure the quality, safety and efficiency of products, services, and systems	IRICA	SGS	
Solid waste management	Regulation No.27/ 2005	the aim is to provide hygienic, efficient, and economic solid waste storage, collection, transportation and treatment or disposal of waste without polluting the atmosphere, soil, or water system	Ministry of Environment		Jordan maritime authority / Aqaba special economic zone

Environmental Aspects:

JIPC established, implemented, and maintained a procedure to identify the environmental aspects of its activities, products or services that it can control and those that it can influence taking into account planned or new developments, or new or modified activities, products and services. These aspects, inclusive of those arising from works carried out by contractors, are registered in the "Register of Environmental Aspects".

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JIPC shall ensure that all environmental aspects that may pose significant impacts to the environment are under control and prioritized for improvements.

JIPC shall keep this information up to date.

No.	Port Activity	Department	Impact on	Environmental Aspect	Environmental Impact	Responsible Person/Organization	Legal +Other requirements	Remarks / own Policy Action
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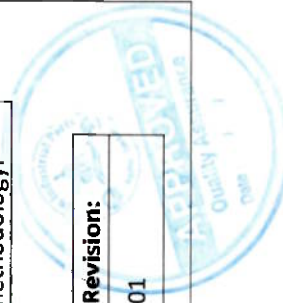
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1	Sulfur Discharging	Operation	Total Environment	Consumption of electricity, spills in the sea, spills on the floor, Dust and Fire risk	Depletion in energy resources, air pollution, water pollution, land contamination in addition to the non-aesthetic view.	Operation supervisor /Environmental Engineer	law No. 52/2005 (protection Of environment), Regulation No. 51/1999 (Marine Environmental protection in the Aqaba Special Economic Zone) ,	To incorporate procedures to ensure compliance with the local and national environmental Regulations in force. To Constantly seek port environmental improvement options by studying and analyzing more developed ports around the world using the benchmarking methodology.
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2	Dry Bulk Loading	Operation	Total Environment	Spills in the sea, spills on the floor, emissions, and dust	Air pollution, water pollution, land contamination in addition to the non-aesthetic view.	Operation supervisor / Environmental Engineer	law No. 52/2005 (protection Of environment), Regulation No. 51/1999 (Marine (Environmental protection in the Aqaba Special Economic Zone) ,	To incorporate procedures to ensure compliance with the local and national environmental Regulations in force. To Constantly seek port environmental improvement options by studying and analyzing more developed ports around the world using the benchmarking methodology.
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3	Ammonia Discharging	Operation	Total Environment	Gas emissions, leakage (seawater, floor)	Air pollution, water pollution, and other environmental and community issues	Operation supervisor /Environmental Engineer/Safety Section	law No. 52/2005 (protection Of environment), Regulation No.51/1999 (Marine (Environmental protection in the Aqaba Special Economic Zone) ,	To incorporate procedures to ensure compliance with the local and national environmental Regulations in force. To Constantly seek port environmental improvement options by studying and analyzing more developed ports around the world using the benchmarking methodology. To improve air
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									quality: to monitor poor air quality, enhance environmental inspection, trace pollution sources.
4	Phosphoric Acid Loading	Operation	Total Environment	Leakage (water, floor)	Water pollution , Killing Sea creatures	Operation supervisor /Environmental Engineer	law No. 52/2005 (protection Of environment) ,Regulation No. 51/1999 (Marine (Environmental protection in the Aqaba Special Economic Zone) ,		To incorporate procedures to ensure compliance with the local and national environmental Regulations in force. To Constantly seek port environmental improvement options by studying and analyzing more

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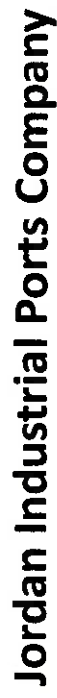
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									developed ports around the world using the benchmarking methodology. To improve air quality: to monitor poor air quality, enhance environmental inspection, trace pollution sources.
	vehicles	Operation +Technical +Admin +HSE	Total Environment	Noise, air Pollution, Fuel consumption	Emissions To air, Health Issues and spillages	Admin Head Section, Maintenance Head Section	law No. 52/2005 (protection Of environment) , Regulations /2005 (Air Protection) ,regulation No. 21/2001 (Environmental protection in the Aqaba Special	To incorporate procedures to ensure compliance with the local and national environmental Regulations in force. To Constantly	

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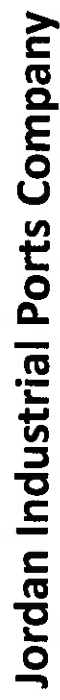
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			Spillages, and air pollution	Engineer/Safety Officer	No. 51/1999 (Marine Environment and coastal Protection) , Regulations /2005 (Air Protection) , regulation No. 21/2001 (Environmental protection in the Aqaba Special Economic Zone) , No. 74 /2008 (Public Health Law)	Port area, thus minimizing any negative environmental impacts on the sea and land areas that may damage the marine and coastal eco- system and the environment in general,
7	Solid Waste Management	HSE	Total Environment	Land Pollution	Health Issues, land contamination in addition to the non- aesthetic view	Environmental Engineer
					law No. 52/2005 (protection Of environment), Regulation No. 51/1999 (Marine Environment and coastal Protection),	To incorporate procedures to ensure compliance with the local and national environmental Regulations in

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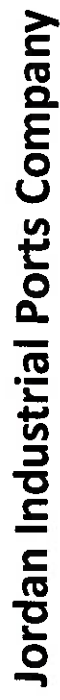
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									Aqaba Special Economic Zone) , No. 74 /2008 (Public Health Law) and ISO Standards (14001, 45001 and 9001).	minimize the environmental impact of port development while coordinating with city development.
9	Conveyor Belts Operating	Operation /Maintenance	Total Environment	Noise , electricity consumption	Land Pollution , Health Effect , Noise and Dust	Mechanical Engineer/ Environmental Engineer	law No. 52/2005 (protection Of environment) ,Regulation No.51/1999 (Marine Environment and coastal Protection) , Regulations /2005 (Air Protection) ,regulation No. 21/2001 (Environmental protection in the	To incorporate procedures to ensure compliance with the local and national environmental Regulations in force. To Constantly seek port environmental improvement options by		

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									impacts on the sea and land areas that may damage the marine and coastal eco-system and the environment in general,
10	Medical Trauma Clinic	HSSE	Total Environment	Medical Waste (Hazard Waste)	Land Pollution, Health Effect (ineffectual disease)	Environment Engineer/ Safety Officer			To reduce Waste: to manage port waste effectively through full implementation of waste stream recycling to minimize the environmental impact of port development while coordinating with No. 21/2001 (Environmental protection in the Aqaba Special Economic Zone), No. 74 /2008 (Public Health Law)

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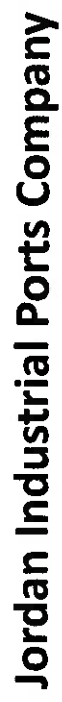
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									city development.
11	Ships Berthed on Jetty	HSSE	Total Environment	Noise , oil spill ,bilge and Sewage spill , solid waste	Dust, Sea Pollution, Killing Sea Creatures , Changing Water Quality, Emissions	JMA , ASEZA /Environment Department and Prince Hamza Marine Pollution Control Centre	(Environmental protection in the Aqaba Special Economic Zone ,No.51/1999 (Marine Environment and coastal Protection	To incorporate procedures to ensure compliance with the local and national environmental Regulations in force. To Constantly seek port environmental improvement options by studying and analyzing more developed ports around the world using the benchmarking	

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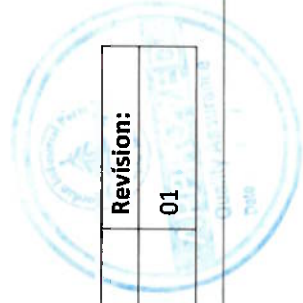
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12	Sub-Contractor	HSSE/Technical	Total Environment	Medical Waste (Hazard Waste), solid waste, Noise, Dust	Land Pollution, Sea Pollution	HSSE Department	law No. 52/2005 (protection Of environment), Regulation No.51/1999 (Marine Environment and coastal Protection), Regulations /2005 (Air Protection), regulation No. 21/2001 (Environmental protection in the Aqaba Special Economic Zone) , No. 74 /2008 (Public Health Law) , and Instructions /2006 (Reduction and Prevention of Noise)	JIPC Environmental Policy, JIPC Regulations /Contractor and Sub Contractors
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Environmental performance indicators:

S/N	Item	Calculation Method	Target Value	Indicator/Calculation Details (2020)	Indicator/Calculation Details (2022)	Remarks
1	Waste	% Of Port Recycling of Waste	Port Recycling of Waste (15%)	Recycled Waste =0	15% of the Generated Waste (Recycling Waste Agreement)	Target Realized
2	Electricity Consumption	Total Quantity Consumed (Watt/Year)	20 % less	4666283 KW	20% Less Than 2020	Target realized
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3	Water Consumption	Total Quantity Consumed(m ³ /year)	Treated Water to be used for Irrigation (5%) of the consumed Quantity	Quantity of treated Water (m ³)	5% of the Consumed Water To be used for Irrigation System	Target realized (25 % of treated water is being used for irrigation)
5	Relationship with stakeholders	Number of Activities and Events	7	13	18	Target Realized
6	Incidents /Accidents Related to Environment	Number of Incidents/Accidents	0	1	0	Target Realized
7	Used Oil and Grease	Recycled Quantity/ Year	Agreement with Recycling Company for Oils and Grease	3553 L of Recycled Oil	100 % Recycling for used oils	Target Realized

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Climate change:

JIPC Adopted a lot of Actions to do their part of in the fight against Climate change (Global Warming):

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Reducing Energy consumption

Promote Environmentally
Friendly Ways Of Working

Reduce the amount of waste
generated

Raise Awareness Among
Employees, Clients And Other
Stakeholders

Using renewable sources of
energy

optimize employees
Transportation

Choose Sustainable Suppliers



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Budget:

Part Of Organization	Item	Amount
Environmental Monitoring	Calibration of Air monitoring Equipment's	900 JD
Staff	Training	3000 JD
Contracts / Environmental	Third party Contracts and agreements	15000 JD
Emergency Response equipment's	Spill Kits for Emergency Cases	2000JD
Environmental Improvements	Recycling bins and a contract with recycling company	4,000 JD
Environmental Improvements	Irrigation Systems + Solar system	5,005,000 JD
Local Community	Supporting Environmental Projects Through Local Community	2,000 JD
Voluntary Participation	Volunteering participation (Campaigns)	2,000 JD

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Total

5,033,900 JD

Environment budget (2021-2022) :

Environment budget 2021	40020 JD
Environment budget 2022	66300 JD

Environmental Responsibilities of Key personnel:

Functions	Job Title/Name	Department
Port Operations (Navigation)	Operation Manager	Operation
Port Operations (Shipping)	Operation supervisor	Operation

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Port Operation (Terminals)	Operation Manager	Operation
Cargo Handling Operations	Operation Manager	Operation
Site Management	Terminal Manager	Executive Management
Strategic Planning	Planning & Quality Manager	Planning
On site Contractor Management	HSSE Manager	HSSE
Noise Management	Environment Engineer	HSSE
Emergency Planning	HSSE Manager	HSSE
Water Quality monitoring	Environment Engineer	HSSE
Environmental Monitoring	Environment Engineer	HSSE

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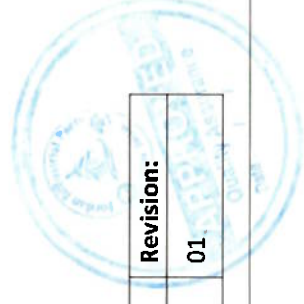
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	Admin Manager	Administration
Environmental Training		
Air Quality Monitoring	Environment Engineer	HSSE
Waste Management	Environment Engineer	HSSE
Vehicular Management of Terminal traffic/Security	Security supervisor	HSSE
Environmental Document Management	Environment Engineer	HSSE
Energy and Water Consumption Management	Environment Engineer	HSSE
Supplies acquisition	Procurement Manager	Procurement
Maintenance	Technical Manager	Technical

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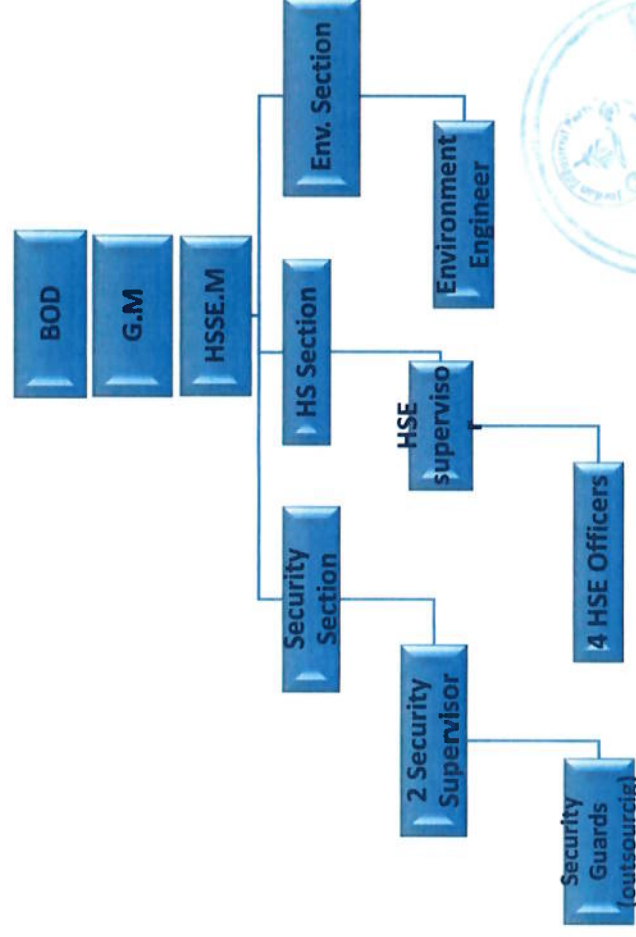
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Environmental Management Organization structure:



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Air Monitoring:

JIPC is committed in conducting periodically Air quality Tests by a certified third-party company To Assure clean and safe Environment Work area.

A third-party agreement had been signed with a certified company to take all required readings to compare them with acceptable limits Standards

Testing Results

Date	Parameter	Unit	Result	Maximum Allowable Limits	Test Method Used	Standard
22-23/11/2021	PM ₁₀	µg/m ³	33.5	65	Light scattering	JS 1140-2006 ²
	PM ₁₀	µg/m ³	53.0	120	Light scattering	
	TSP	µg/m ³	79.8	260	Light scattering	
	SO ₂	ppm	0.001	0.14	UV-Fluorescence	
	NO ₂	ppm	0.008	0.08	Chemiluminescence	
12-13/04/2022	H ₂ S	ppm	<0.01	0.01	Electrochemical Sensor	JS 1140-2006 ²
	CO	ppm	3.8	9 ³	Electrochemical Sensor	
	NH ₃	µg/m ³	7.3	270	Electrochemical Sensor ⁴	

Notes:

- Ammonia readings were logged in ppm then converted to µg/m³, where 1 ppm=750 µg/m³.
- Results are within allowable limits put by JS 1140-2006².
- Statement of conformity is based on JS 1140-2006 for 24-hr averaging time.

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test-08 /

Annex (3): Some of the pictures taken during the monitoring program.



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Mr. Anmaq Haiman

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Treated water tests to be used for irrigation:

- Sewage treatment approaches are aimed at reducing pollution of wastewater to the quality that is defined by law or to the concentration of pollution in effluent which will not cause negative effects on human health or environment.
- Treated Water from The Unit is connected To Irrigation System So we Can preserve the Most important Element Of Environment To be used to irrigate Plants
- Treated Water is Monitored by Quarterly Tests to Assure that the unit is Working efficiently and all test Results Met Standards.

Treated Water Tests/ SWTU		As per the accepted limits for treated water for Irrigation of crops/ category C " field crops, industrial crop, forest stands	
Item	Unit	Accepted reading	Reading as per the test/ Monthly **
Biological Oxygen Demand (BOD)	(mg/L)	300	<25
Biochemical Oxygen Demand (COD)	(mg/L)	500	109
Total Suspended Solids (TSS)	(mg/L)	300	<220
PH	Unit	6-9	8.2
NO3	(mg/L)	70	6.4
Total Nitrogen (TN)	(mg/L)	100	67.4
Intestinal Worms Eggs	egg/L	<1	0

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Oils and like substance

(mg/L)

8

24.72

Environmental activities:

- As one of our values to keep our environment Clean, A cleanup volunteer Day conducted by JIPC Staff on the world cleanup Day.
- Collected Garbage Quantity ≈250 KG



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JIPC Supported ASEZA's Campaign "Greening The Southern Region "By planting More Than 400Trees.



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Environmental Activities:

Seabed Cleaning (Total Weight of scrap taken out from sea bottom of exiting jetty 56400 Kg)



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Marine monitoring programme

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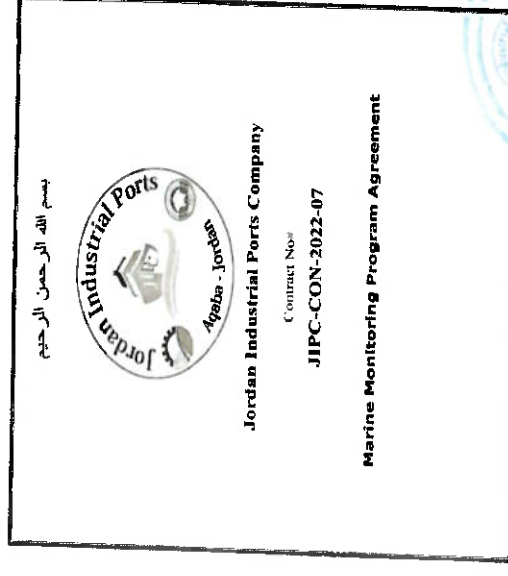
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JIPC signed a contract with experienced and qualified contractor for marine monitoring programme for preventive and corrective purposes in relation to predict the impact of our customer's operations on sea water and sediments.

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2022 objectives and goals:

Defining Company Objectives KPIs are based on objectives. A KPI should not exist unless it contributes to an objective. So, the below list Company objectives as reported form BOD decision:

1. Employees and terminal users' safety and health; through Promote physical health of Employees and terminal users, promote mental health of Employees, promote female empowerment strategy, and working environment cleanliness and tidiness.
2. Customer satisfaction; through Operation performance, and maintenance performance.
3. Cost control and optimization; through financial management, and warehouse management.
4. Development of human capital; through internal/ external training program

1. Employees and terminal users' safety and health

This Objective falls under Internal Business Process Perspective and it had been assigned to both Administrator and HSSE Department as follow.

Ref.	Category	Objectives	Action by
1.1		Promote physical health of Employees and terminal users	HSSE
1.2		Promote mental health of Employees	Admin

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1.3	Internal business process	Promote female empowerment strategies	Admin
1.4	perspective	working environment cleanliness and tidiness	Admin

2. Customer satisfaction

This Objective falls under Customer Perspective and it had been assigned to Maintenance, Operations HSSE, Planning & QA Department as follow

Ref.	Category	Objectives	Action by
2.1	Customer Perspective	Operation performance	Operation
2.2		maintenance performance	Maintenance
2.3		IT Performance	Maintenance
2.4		Security of the terminal	HSSE
2.5		Quality of all performed work	Planning and QA

3. Cost control and optimization

This Objective falls under Financial Perspective and it had been assigned to Finance and Procurement Departments as follow.

Ref.	Category	Objectives	Action by
3.1	Financial Perspective	Financial management	Financial
3.2		Warehouse management	Procurement

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4. Development of human capital

This Objective falls under Learning and Growth Perspective and it had been assigned to Finance and Procurement Departments as follow:

Ref.	Category	Objectives	Action by
4.1	Learning and Growth Perspective	Internal/ external training programs	Admin/HR

5. Performance Breakdown

Company's Goals and objectives had been delivered to each department and section to frame action plans suitable for each department scope. The process of measures and action formulation passed through the scope of each department, the weightage of department input to the final service and the available studies and records.

During the year of 2022 JIPC Achieve a 79% overall progress as of 30 November 2022
(All data above from JIPC's annual report 2022)

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