



SPSB GREEN PORT PROGRAM

1.0 OVERVIEW

While pursuing business growth, SPSB is well aware of the importance of its social responsibility, which is to ensure both environmental and economic sustainability. Therefore, complementary to the **SPSB HSE Policy**, the **SPSB Green Policy** was established for the integration of sustainability principles to guide business development and operations within SPSB premises.

To effectively administer the SPSB Green Policy, the Company has developed the **SPSB Green Port Program** that outlines the **goals** and **strategies** that SPSB is committed to in achieving a **more sustainable and environmental friendly port operation and development**.

Key environmental issues that concerns the Company's port operations and facilities have been identified and shall be addressed through this program:

- 1) Environment
 - a. Air
 - b. Water
 - c. Marine Ecosystem
 - d. Waste Management
 - e. Other Strategies (Noise, Management System, etc.)
- 2) Energy and Natural Resources
- 3) Community



2.0 STRATEGIES

2.1 ENVIRONMENT

- ✓ **GOAL:** Prevent **Pollution**, Reduce **Emissions**, and Minimize **Environmental Impact**
- ✓ **GOAL:** Improve **Community** and **Environmental Health**

2.1.1 ENVIRONMENT – AIR

Focus: **Air Quality** and **Air Pollution Prevention**

Ongoing Programs

- a) To engage external consultant to conduct routine **Air Quality Monitoring** (pollutants, ambient air limits, etc.)
- b) To **control emission of smoke** and to **reduce greenhouse gas emissions**:
 - i) from trucks and terminal equipment during idling using a Traffic Management Plan (port operation).
 - ii) using of Electrical-Driven Buggies and Bicycles within port internal roads.
 - iii) prohibition of idling personal vehicles in port premises through close monitoring by Port Auxiliary Police Department.



2.1.2 ENVIRONMENT – WATER

Focus: **Water Quality** and **Water Pollution Prevention**

Ongoing Programs

- a) To engage external consultant to conduct routine **Water Quality Monitoring** for water discharged due to its internal operational activities and for water within its port limits.
- b) To set up sufficient **Oil Spill provisions** (emergency response plan, spill response equipment and team).
- c) To ensure all **dredging activities and port expansion projects** have minimal impact on the environment through compliance to DOE and EPD requirements (EIA Reports, etc.).
- d) Use of **Environmental Friendly Cleaning Agents** (DOE approved) for operational cleaning.

2.1.3 ENVIRONMENT – MARINE ECOSYSTEM

Focus: Conservation and Preservation of **Aquatic Ecosystem and Marine Life** within **SPSB Port Limits** and **Sabah Waters**

Ongoing Programs

- a) To **Expand Collaborations** between local Agencies, Research Institutions, and Organizations in Developing Marine Environmental Conservation and Restoration.
- b) To conduct studies and monitor the **effects of Port Operations on Aquatic Ecosystem**.
- c) To **support other studies** conducted for the protection of Marine Life in Port Limit and Sabah Waters: Turtles, Coral Reef, Sea Grass, Mangroves, etc.



2.1.4 ENVIRONMENT – WASTE MANAGEMENT

Focus: **Waste Management** and **Recycling** Program

Ongoing Programs

- a) To ensure the handling and storage of **General Port Operation Waste** is fully compliant to **Local Municipal requirements**.
- b) To ensure the handling and storage of **Port Scheduled Wastes** (operation, maintenance, electronic wastes, etc.) is fully compliant to **DOE requirements**.
- c) To make **Reduce, Reuse, and Recycle (3R)** a part of the Company's working culture:
 - i) Common Recycling Bins (Paper, Glass, Plastic, Aluminum)
 - ii) Industrial Recycling Bins/Area (Metal, Cardboard, Cargo Bags, etc.)
- d) To implement **paperless Tendering and Procurement Method** to cut down large amount of paper printing.
- e) To provide **Vessel Waste Management services** according to **MARPOL requirements**.
- f) To increase usage of **Environmental Friendly/Biodegradable Products** in its premises (e.g. plastic bags, food packaging).

2.1.5 ENVIRONMENT – Other Strategies

Ongoing Programs

- a) To engage external consultant to conduct routine **Noise Monitoring** (port boundaries, etc.)
- b) To organize **Green Office Programs** whereby staff are encouraged to participate in beautification projects using plants, recycling, and energy saving activities.
- c) To establish an **Environmental Management System** and obtain **ISO 14001 certification**.
- d) To increase nature-awareness among staff by providing a greener working environment through **green landscaping** within SPSB facilities (e.g. Green Corner, Herb Garden).



2.2 ENERGY & NATURAL RESOURCES

- ✓ **GOAL: Efficient use of Energy** (electric, fuel, etc.) and **Natural Resources** (water, land, wind, sun, etc.) consumption by using specific **saving initiatives**.

Ongoing Programs

- a) Employ available **Green Technology** to Minimize Environmental Impact:
 - Has **zero or low greenhouse gas (GHG) emission**;
 - **Efficient use of energy and natural resources**;through the usage of:
 - i) LED Lighting for High Mast Lights and Indoor lightings
 - ii) Electrified RTG (E-RTG)
 - iii) Energy Consumption Reduction in Buildings - Implementing Energy Control Component/Device (for Centralized Air Conditioning System, etc.)
- b) Use of **Renewable Energy**:
 - i) Solar Energy production and selling to SESB
- c) **Minimize Natural Resource consumption** by using saving initiatives:
 - i. Rainwater Harvesting and HVAC Condensation for toilet and washing purposes.
- d) **Maintenance Policy**: Execution of scheduled maintenance of port cargo handling equipment, machinery, and facilities



2.3 COMMUNITY

- ✓ **GOAL: Engage and Share with the Community** on Port Operations and its Green Port Programs

Ongoing Programs

- a) To **communicate and increase the understanding** of the relation of the environment impacts from port operations and the SPSB Green Port Policy.
- b) To **post articles and updates** relating to SPSB Green Port programs in its company website.
- c) To **increase awareness and involvement of the community** in SPSB's environmental conservation and preservation efforts (gotong royong, beach cleaning, etc.).
- d) To **allow the public to launch complaints and voice out concerns** regarding SPSB's operational and environmental issues through the online whistleblower feature in its mother company's (Suria Group) website.