

# Green Marine Environmental Program

# 2022



## Performance Indicators for Terminals & Shipyards

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## 1. GREENHOUSE GASES AND AIR POLLUTANTS

**OBJECTIVE:** Reduce greenhouse gas (GHG) and air pollutant emissions.

LEVEL 1
Monitoring of regulations
LEVEL 2
<p>2.1 Implement policies and communications that discourage idling of vehicles powered by Internal Combustion Engines. Include, at minimum, the participant's own road, off-road, and unlicensed vehicles.</p> <p>2.2 Promote sustainable transportation practices by employees.  <u>Examples:</u> Incentives for public transport and carpooling, reorganization of business travel, installation of bicycle racks, etc.</p> <p>2.3 Implement measures to reduce truck congestion and idling.</p>
LEVEL 3
<p>3.1 Complete an annual report on GHG emissions.  <u>Note:</u> Include Scope 1 at minimum, and Scope 2 is recommended, as defined by the GHG Reporting Protocol. See Annex 1-A.</p>
LEVEL 4
<p>4.1 Complete a detailed inventory of GHGs and air pollutants emitted within the boundary of the participant's footprint within the last 5 years. Inventory should include key GHGs: CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O and criteria air pollutants, such as NO<sub>x</sub>, SO<sub>x</sub>, VOC, and PM.  <u>Note:</u> Participants that are in nonattainment areas or that have potential "hotspots" should place a priority on an inventory of their relevant criteria air pollutants. Criteria air pollutants refer to those reported in Environment Canada's National Pollutant Release Inventory (NPRI) or U.S. EPA's National Emissions Inventory (NEI).</p> <p>4.2 Adopt a performance plan for air emissions resulting directly from the participant's activities. In the plan, define reduction measures and establish reduction targets.  <u>Note:</u> See Annex 1-B.</p>
LEVEL 5
<p>5.1 Demonstrate continual reduction of the participant's direct GHG emissions (in intensity).  <u>Note:</u> Each participant defines its own baseline year for measuring continual improvement.</p> <p>5.2 Achieve an annual average reduction in GHG intensity of <math>\geq 1\%</math> based on the inventory (criterion 4.1) or design baseline accepted by Green Marine.</p>

## 2. SPILL PREVENTION AND STORMWATER MANAGEMENT

**OBJECTIVE:** Prevent spills and leaks of pollutants and manage stormwater to minimize contamination into the environment (water and land).

**NOTE:** The term ‘location’, as mentioned in levels 4 and 5 for criteria related to stormwater management, refers to any given delimited area on the participant’s owned or leased property where stormwater can potentially be contaminated based on activities and operations and/or known data (as identified in the Water and Land Pollution Prevention Plan under criterion 3.2). A location could also be outside the participant’s owned or leased property in some specific cases (e.g. in the context of regional stormwater management compensation projects).

LEVEL 1
Monitoring of regulations
LEVEL 2
<u>Implementation of at least 60% of the applicable criteria</u>
<p>2.1 Perform vehicle and machinery fueling, lubrication, and maintenance in an adequately equipped designated area and/or at a minimum distance of 30 m (100 ft) from the water and at a minimum distance of 15 m (50 ft) from a tributary (e.g., catch basin, ditch, storm drains) unless the area is covered by or is part of a permitted and properly operating stormwater management system. If these requirements cannot be met, alternative pollution prevention measures must be taken (e.g., watertight lids, rubber rugs, retention pans).</p> <p>2.2 In areas draining to surface water, use, inspect and ensure proper maintenance of secondary containment for stationary devices and equipment that can potentially leak or which need to be resupplied periodically (e.g., generating sets, compressors). Use a risk-based approach to determine the adequate volume of each secondary containment to contain anticipated spills or leaks. All employees using such devices and equipment must be aware of the procedure to follow (what to do, who to contact) in case of a spill or leak (e.g., proper signage visibly posted directly on devices and equipment, internal emergency number, annual employee training).</p> <p>2.3 Implement inspection and maintenance procedures for all devices and equipment (e.g., tanks, generating sets, compressors, landscaping equipment) that could potentially leak liquid contaminants into the environment (e.g. drainage system, natural receiving environment).</p> <p>2.4 Regularly inspect nearshore water and property to identify any illicit discharge. If such a discharge is identified implement corrective measures as soon as possible to stop contamination from the source or inform the entity responsible or any other relevant entity If the contamination is not under the control of the participant.</p> <p>2.5 Check for visible sheen on, colour and odour of water collected in secondary containments and excavation pits or extracted from monitoring wells. If there is a doubt about its quality, the water must be sampled, analyzed for contaminants of concern, and managed appropriately or treated prior to being discharged into the environment.</p> <p>2.6 Always have at key locations a spill kit containing all the necessary material to adequately respond as soon as possible to accidental discharges. Ensure the relevant staff is competent to use these kits (e.g., through appropriate training, an annual refresh of response procedures, various information and communication tools) and that any contaminated material is disposed of by an authorized firm.</p> <p>2.7 Implement good housekeeping practices to ensure surfaces near storm drains, dockside, or other pathways to water are clear of pollutants (e.g., solid wastes, grit, dust, paint or paint residues).</p> <p>2.8 Prevent the uncontrolled discharge of wash water that could contain oils, chemical products (e.g., detergents, solvents), or residues/suspended solids into the environment via treatment or containment, for example.</p>
LEVEL 3
<p>3.1 Implement all applicable best practices of level 2.</p> <p>3.2 Adopt a Water and Land Pollution Prevention plan that covers all sites that the participant operates on (for terminal operators, this plan must cover all terminals participating in the Green Marine program). <u>Note:</u> See Annex 2-A.</p> <p>3.3 Keep a record of all accidental discharges of pollutants into the environment that occur on the participant’s operated property and report such incidents to the port authority, if applicable.</p> <p><u>Optional for 2022</u></p> <p>3.4 Keep a registry of all owned and leased fixed, portable, and mobile (e.g., forklifts, mobile cranes) hydraulic equipment operated near the shore. At least for each owned equipment, assess the technical feasibility as well as modernization and maintenance costs of switching from conventional to readily biodegradable, non-toxic, and non-bioaccumulative lubricants.</p>

#### LEVEL 4

4.1 Implement a documented Preventive Inspection and Maintenance program for vehicles and equipment, containers and tanks, and any associated conveyance systems (e.g., conveyor, aboveground piping, transfer hoses) used exclusively for the participant's direct activities and which might release discharges into the environment (fuel, lubricants, etc.).

Note: See Annex 2-B.

**AND** fulfill one criteria option that exceeds the participant's regulatory requirements: 4.2 OR 4.3-4.5 OR 4.6

4.2 Develop and adopt a Stormwater Management plan.

Note: See Annex 2-C.

**OR**

In at least one of the participant's locations where stormwater has a potential to be contaminated as defined in the note below the objective (for terminal operators, this means one or more locations within each terminal participating in the Green Marine program):

4.3 Collect and treat stormwater using an appropriate stormwater treatment system.

Note: Stormwater treatment must be adapted to the contaminants present (e.g., catch basins, bioswales, oil separators, hydrodynamic separators, or any other type of simple or complex treatment system).

4.4 Inspect and maintain stormwater treatment systems on a regular basis or according to the manufacturer's specifications to ensure good performance of the systems.

4.5 Sample and analyze treated stormwater routinely to ensure the proper functioning of treatment equipment and infrastructure. Samples must be collected following a recognized/approved procedure and analyzed by an accredited laboratory.

**OR**

4.6 Participate and/or support local environmental education programs relating to water quality that facilitate community and stakeholder engagement and demonstrate measurable improvements year on year. Improvements could be measured in terms of, for example, outreach (e.g., how many people are being reached with the programs, how are the programs expanding over time) and/or training (e.g., how many training sessions/year, follow up interview feedback on outreach and usefulness of training).

#### LEVEL 5

5.1 Have secondary containment in place for all fixed and portable outdoor above ground storage tanks and containers (permanent and in transit) that are located within a distance of 30 m (100 ft) from the water and 15 m (50 ft) from any ditch, sewer system, underground stream, etc. This requirement applies to all hazardous products.

Note: Secondary containment includes any measure preventing a spill or a discharge from a primary storage tank or container from entering the environment. The chosen measure(s) and its/their capacity for secondary containment must be able to address a discharge resulting from the most typical failure mode. Acceptable measures include:

- Impervious dikes, berms, or retaining walls;
- Curbing;
- Drainage system;
- Weirs, booms, floating barriers;
- Spill diversion or retention ponds;
- Drip pans or retention pans;
- Sumps or collection systems;
- Double-walled tanks;
- Any other equipment, material, and/or resources to contain the spill or discharge.

5.2 Perform a spill response exercise on a regular basis (at least annually in case of a tabletop exercise, at least every two years for a simulated site-specific drill, including the post-mortem of a spill incident).

Fulfill the following 3 criteria in the majority of the participant's locations where stormwater has a potential to be contaminated as defined in the note below the objective (for terminal operators, this means one or more locations within each terminal participating in the Green Marine program) :

5.3 Collect and treat stormwater via an appropriate stormwater treatment system.

Note: stormwater treatment must be adapted to the contaminants present (e.g., catch basins, bioswales, oil separators, hydrodynamic separators, or any other type of simple to complex treatment system).

5.4 Inspect and maintain stormwater treatment systems on a regular basis and/or according to the manufacturer's specifications to ensure good performance of the systems.

5.5 Sample and analyze treated stormwater routinely to ensure the proper functioning of treatment equipment and infrastructure. Samples must be collected following a recognized/approved procedure and analyzed by an accredited laboratory.

**AND** fulfill one criterion that exceeds the participant's regulatory requirements: 5.6 OR 5.7

5.6 Develop and adopt a Storm Water Management plan.

Note: See Annex 2-C.

**OR**

5.7 Carry out or participate in developing a new spill prevention or stormwater treatment technology project within the last three years.

### 3. DRY BULK HANDLING AND STORAGE

**OBJECTIVE:** Reduce cargo losses and dust generated during handling, transportation, and storage of dry bulk.

**NOTE:** Only applicable to dry bulk terminals.

LEVEL 1
Monitoring of regulations
LEVEL 2
<p>2.1 Collect cargo residues on the ground as soon as possible using methods that minimize dust generation (e.g., water spraying, vacuum sweeping).</p> <p>2.2 Ensure that collected cargo residues are properly stored, recovered and/or disposed of.</p> <p>2.3 Take measures to prevent water contamination during loading and unloading operations (e.g., use canvas between ships and docks when unloading).</p> <p>2.4 For outdoor operations, reduce dust dispersion by using one or more of the following methods, but not limited to: spraying a light mist; using screens, air or water curtains and/or drapes; reducing conveyor belt height and speed; keeping outdoor dry bulk piles covered or protected by wind shields as much as possible when they are likely to blow away by the wind or to leach out on to the ground.</p> <p>2.5 Fit storm drains with screens, baskets, geo-textiles or other devices in order to filter suspended solids found in stormwater runoff, and ensure that such devices are cleaned on a regular basis.</p> <p>2.6 Recover cargo losses under the conveyors.</p> <p>2.7 Regularly wash vehicles in dedicated areas to avoid dust dispersal on and off-site.</p>
LEVEL 3
<p>3.1 Adopt a Water and Land Pollution Prevention plan at all of the company's participating terminals. <u>Note:</u> A model is provided in Annex 2-A.</p> <p>3.2 Produce an incident report and maintain records for each incident of abnormal dust or discharge accompanied by a detailed analysis of the causes and corrective measures implemented.</p>
LEVEL 4
<p><u>In the majority of the company's participating terminals:</u></p> <p>4.1 Implement a documented Inspection and Preventive Maintenance program targeting dry cargo handling equipment and dust suppression technologies. <u>Note:</u> See Annex 2-B.</p> <p>4.2 Adopt a procedure framing the management of loading and unloading operations in cases of abnormal dust emissions due to wind. <u>Note:</u> The participant must have in place a procedure or a policy that defines, for each type of cargo, the adverse weather conditions that affect loading and unloading operations, and preventive measures to be taken. Procedures must also include a record of incidents and must be communicated to and systematically applied by concerned staff.</p> <p>4.3 Conduct a detailed analysis of the loading, unloading, and handling process to identify critical stages, situations or areas causing dust dispersal and establish a protocol for preventative measures.</p>
LEVEL 5
<p><u>In all of the company's participating terminals:</u></p> <p>5.1 Implement a documented Preventative Maintenance program targeting dry cargo handling equipment and dust suppression technologies. <u>Note:</u> See Annex 2-B.</p> <p>5.2 Adopt a procedure framing the management of loading and unloading operations in cases of abnormal dust emissions due to wind. <u>Note:</u> The participant must have in place a procedure or a policy that defines, for each type of cargo, the adverse weather conditions that affect loading and unloading operations, and preventive measures to be taken. This procedure must also include a record of incidents and must be communicated to, and systematically applied by, concerned staff.</p> <p>5.3 Conduct a detailed analysis of the loading, unloading, and handling process to identify critical stages, situations or areas causing dust dispersal and establish a protocol for preventative measures.</p> <p>5.4 Use enclosed conveyors or chutes and telescoping arm loaders, operate in a closed circuit, or other similar equipment to limit dust generation and releases into the environment.</p> <p>5.5 Use dust suppression, baghouse, screw conveyors, vacuum collecting equipment or other similar equipment in the handling of fine, granular, or powdery material.</p>

## 4. COMMUNITY IMPACTS

**OBJECTIVE:** Reduce the amount of noise, dust, odour and light to which people residing close to the participant’s facilities are exposed.

**NOTE:**

- This indicator applies to all participants unless they provide reasonable arguments to be exempt (e.g., location in a very isolated place, no nearby community). However, the absence of complaints alone does not constitute a sufficient motive to be exempt of the application of the indicator.
- A criterion applies only if the participant’s operations cause the nuisance to which the criterion is related. A nuisance is any factor that has a negative impact on the health or well-being of the people residing close to facilities.
- The activities covered by the community impacts indicator are limited to those related to commercial shipping and cruise only.

LEVEL 1
Monitoring of regulations
LEVEL 2
<p>Implementation of the <b>majority</b> of applicable criteria:</p> <p><u>Noise:</u></p> <p>2.1 Impose speed limits on vehicles in sensitive zones.</p> <p>2.2 Adopt operational procedures or take measures limiting the use, or reducing the impact of warning signals, without compromising safety (e.g., use strobe light during nighttime operations, use lynx alarm, adapt the height or direction of the device, adjust the frequency of the signal).</p> <p>2.3 Take measures to reduce the noise emanating from rail operations at the terminal of the shipyard (such as rail lubrication, etc.).</p> <p>2.4 If technically possible, limit idling of vehicles, equipment, and locomotives.</p> <p>2.5 Have a documented process (e.g., purchase policy) for selecting less noisy equipment when buying new equipment.</p> <p><u>Dust:</u></p> <p>2.6 Adopt measures to hold back dust on roads (e.g., watering of roads, wet brushing, paving, maintenance of pavement).</p> <p>2.7 Apply measures to improve the management of bulk cargo storage (e.g., covering cargo that is stored in piles, reducing the height of such piles, moving piles to areas that are less exposed to wind, installing containment walls).</p> <p><u>Housekeeping:</u></p> <p>2.8 Implement cleaning procedures for wharves, driveways, and loading and unloading areas.</p> <p>2.9 Place marked trash and recycling containers at locations convenient to employees, visitors, and truck operators.</p> <p>2.10 Cover trash collection areas and containers to avoid dispersion by wind and stormwater.</p> <p><u>Traffic/congestion:</u></p> <p>2.11 Have a procedure on bus, truck, or railway traffic management to avoid local congestion (e.g., signboard, traffic coordinator, or checker).</p> <p><u>Light:</u></p> <p>2.12 Direct lights so they only illuminate the necessary zone.</p> <p>2.13 Switch off bothersome lighting at a specific time if there are no operations underway.</p>

**LEVEL 3**

3.1 Adopt a plan for managing community issues, which formally incorporates all applicable best practices, set out in level 2.

Note: See Annex 3-A.

3.2 Have in place a procedure to verify sound levels of operations on a regular basis (at least annually).

3.3 Have a procedure for evaluating environmental and social aspects of new projects, activities or types of operations including handling of new products, if there is uncertainty around the potential for environmental and social impacts and where mitigation measures are not known to be effective and established.

Note: Not applicable to projects that are subject to an environmental assessment under existing regulation.

Note: See Annex 3-B.

3.4 Establish and implement a nuisance mitigation plan during works and/or operations.

**LEVEL 4**

Implementation of the **majority** of applicable criteria:

Noise:

4.1 Conduct near real-time monitoring of noise and/or air emissions (dust and/or odours) in the problem areas (e.g., areas located close to residences, subject to frequent complaints or particularly exposed to wind, etc.) and have a data monitoring process in place.

4.2 Create screens against sound with the help of sound-reducing trees or walls if appropriate.

4.3 Install silencer, muffler, timer, or another device to reduce noise from noisy equipment or cover with sound-insulating material.

Dust:

4.4 Implement mitigation measures (e.g., canvas, tarpaulins, curtains, or other equivalent control barriers) during spray painting and blasting operations to prevent the dispersal of dust and aerosol particles by the wind.

4.5 Collect and confine spent abrasives and debris (after blasting to dock-bottom/yard grounds) to avoid dispersion by wind and stormwater (e.g., cover piles or use covered containers).

Light:

4.6 Install fixtures that optimize lighting and reduce light pollution when replacing fixtures or during new projects.

4.7 Evaluate existing lighting plans and take effective measures to optimize lighting and reduce impacts.

Nuisance mitigation:

4.8 Install green corridors (e.g., dune system), vegetated or recreational areas (e.g., tree alley, parks) between operating site and residential area if appropriate.

4.9 Have a procedure or system in place that optimizes truck movements to manage congestion and mitigate other associated issues.

**LEVEL 5**

5.1 Implement all applicable criteria listed in Level 4.

Canadian liquid bulk terminals only:

5.2 Implement a system for collecting vapours arising from tanker loading operations.



## 5. ENVIRONMENTAL LEADERSHIP

**OBJECTIVE:** Encourage and recognize the implementation of original and exemplary environmental initiatives by private marine companies.

### LEVEL 1

1.1 Reach level 2 for at least **one** other performance indicator of the program.

### LEVEL 2

2.1 Reach level 2 for at least **2** other performance indicators of the program.

**AND fulfill one of the following 2 criteria:**

2.2 Write and publicly communicate an environmental policy.

**OR**

2.3 Develop and update annually a section on the company's public website presenting an overview of the Green Marine program and the participant's latest performance results.

Note: Green Marine offers assistance to participants in developing the content.

### LEVEL 3

3.1 **At least 2** of the participant's eligible terminals or operating sites (stevedoring companies) or shipyards are Green Marine participants.

Note: Not applicable if the company operates only one eligible terminal or site.

3.2 Undergo an internal or external audit at least every 5 years to verify the environmental compliance of all operations.

Note: Any non-compliances found should be rectified, when possible, within the following year. Otherwise, an action plan with a timeline should be developed.

3.3 Actively participate in social and/or environmental community activities every year (e.g. shoreline clean-up operations, tree-planting campaigns, scholarships, educational activities, open-house, etc.).

Note: Active participation is defined as the provision of support by the participant, whether through financial means, human resources, and/or material/equipment.

**LEVEL 4**

4.1 50% of the participant's eligible terminals, operating sites (stevedoring companies) or shipyards are Green Marine participants. Note: Not applicable if the company operates only one or two eligible terminals or sites.

4.2 Attain **an average** that is equivalent to level 3 with respect to the program's other performance indicators.

**AND fulfill at least 2 of the following criteria:**

4.3 Publicly disclose GHG and air pollutants' reduction targets and timeframe.

4.4 Implement an environmental management system (EMS). Example: ISO 14000.

Note: At level 4, certification is not mandatory if the participant can demonstrate that all the elements of an environmental management system are in place. At level 5, certification is mandatory. If the company is not certified, it must implement four other measures among 4.3. to 4.9. to achieve level 5.

4.5 Publish an annual report providing details of the participant's environmental performance.

Note: The report must follow a recognized standard, such as the Global Reporting Initiative's Reporting Guidelines.

4.6 Have a replacement policy for converting the fleet of road vehicles and/or non-road vehicles for more environmentally friendly technologies or models (high-renewable-content fuels, hybrids, electrical, higher tier engines, etc.) and have started to convert the fleet or to test new technologies or models.

Note: For a detailed definition of high-renewable content fuel, refer to the Renewable Fuels Regulations (Canada) or to the Renewable Fuels Standard (U.S.). More information can be found on the document "Renewable Fuels Regulations" in the Members section of the Green Marine website.

4.7 Introduce innovative or exemplary technologies or projects, within the last five (5) years, aimed at significantly reducing the environmental footprint of the participant's activities.

4.8 Any other comparable measure accepted by Green Marine.

Note: The project must have been started (e.g., installation of equipment, final investment decision, etc.) during the last three (3) years.

Note: See Annex 4-A.

4.9 Finance or make annual donations to environmental and/or social projects.

Note: For operating revenues < \$1,000,000, donations must reach at least \$50,000 annually. See table:

Operating Revenue (\$k)	Donations (\$k)
< 1,000	≥ 50
< 200,000	≥ 100
≥ 200,000	≥ 200

Note for the verifier: Refer to the annual membership fee the participant has paid to Green Marine to determine the participant's range of revenue established in the membership fee schedule (posted online).

4.10 Implement a sustainable infrastructure framework, such as Envision, in the development process of infrastructure projects.

**LEVEL 5**

5.1 All of the company's eligible terminals, operating sites (stevedoring companies), or shipyards are Green Marine participants. Note: Not applicable for participants that operate only one or two eligible terminals or sites.

5.2 Fulfill at least two additional criteria listed in level 4.

5.3 Attain an average that is equivalent to level 4 with respect to the program's other performance indicators.

## 6. WASTE MANAGEMENT

**OBJECTIVE:** Increase waste diversion and reduce at source the waste arising from administrative activities and site operations.

LEVEL 1
Monitoring of regulations
LEVEL 2
<p><b>Implementation of the majority of applicable criteria:</b></p> <p>2.1 Equip offices, workspaces, and facilities with recycling bins, including for used batteries, cartridges, and fluorescent light bulbs, and make sure they are strategically located and appropriately labeled.</p> <p>2.2 Install clear signage for waste disposal on terminal or shipyard property.</p> <p>2.3 Provide training and/or educate staff on established garbage management procedures and hierarchy (Reduce, Reuse, Recycle, Valorize – as in to add value), including procedures for handling and disposing of hazardous waste.</p> <p>2.4 Encourage the use of 1) reusable, 2) recyclable and 3) compostable supplies (e.g. reusable dishes, etc.).</p> <p>2.5 Encourage staff to adopt sustainable paper use practices (e.g. reduce overall printing and copy paper consumption, double-sided printing, use post-consumer recycled paper, reuse and recycle paper, etc.).</p> <p>2.6 Promote and encourage users, contractors, and/or clients to minimize waste and to recycle.</p> <p>2.7 Gather information from the local service provider/waste hauler in order to have a better understanding of the relative costs and the environmental benefits related to the disposal of waste, recycling, and organics.</p> <p>2.8 Eliminate or limit the use of plastic straws, plastic bottles, single-use coffee cups, and any other similar items in the administrative office.</p> <p><u>Dry bulk terminals (2.9, 2.10, 2.11):</u></p> <p>2.9 Adopt procedures to minimize the amount of cargo residues left on board the ships.</p> <p>2.10 Facilitate the discharge of solid bulk cargo residues ashore, including hold sweepings.</p> <p>2.11 Recover as much as possible off-specification products (i.e.: Products captured in stormwater sumps and effluent treatment works) or reintroduce them into the handling process.</p> <p><u>Note:</u> Not applicable in terminals that handle multiple dry bulk products because of cross-contamination risks.</p>
LEVEL 3
<p>3.1 Implement all applicable best practices listed at level 2.</p> <p><b>AND, fulfill one of the following 2 criteria:</b></p> <p>3.2 Produce an annual inventory of all waste being generated during the participant's direct activities (administrative and/or site operations).</p> <p><b>OR</b></p> <p>3.3 Conduct a waste audit every five (5) years to identify the types and amount of waste being generated during the participant's direct activities (administrative and/or site operations).</p> <p><u>Note:</u> The inventory or audit does not include waste generated from demolition or construction projects.</p> <p><u>Note:</u> See Annex 5-A.</p>

**LEVEL 4**

4.1 Adopt an environmentally preferable purchasing policy that encourages sustainable purchasing practices (e.g., products using less packaging, reusable/recyclable/compostable products, products with post-consumer recycled content, circular economy products).

4.2 Conduct a waste audit every five years to identify the types and amount of waste being generated during the participant's direct activities (administrative and/or site operations).

Note: The waste audit does not include waste generated from demolition or construction projects.

Note: See Annex 5-A.

4.3 Based on the results from the waste audit, adopt and implement a Waste Management and Reduction plan that describes the participant's waste management practices and procedures, including all applicable best practices of levels 2 and 3. The plan must also define measurable waste reduction, recycling, and/or diversion rates and identify practices and strategies to achieve these rates.

Note: Each participant defines its own "normalizer" to take into account fluctuations in activities (e.g., per capita, per ton, per vessel, etc.).

Note: See Annex 5-B.

4.4 Adopt and implement formal procedures for reducing, reusing, recycling, and valorizing and/or properly disposing of waste generated during construction, excavation and demolition work (e.g. cement, concrete, bricks, gypsum, wool, asphalt, wood, steel, and other metals, etc.). These procedures must be included in all construction, demolition, and excavation projects.

**LEVEL 5**

5.1 Demonstrate continual achievement in waste diversion and reduction at source in line with the objectives established in the Waste Management and Reduction plan.

## 7. COMMUNITY RELATIONS

### OBJECTIVE

Maintain or improve the quality of relations with the various community stakeholders through open and transparent communications.

**Definition of ‘community’ in the present context:** Local stakeholders affected by the participant’s activities.

### NOTES:

- In the Constitution of Canada, issues relating to Indigenous Peoples take on a particular dimension that affects the notion of the nations that constitute them. Consequently, Indigenous Peoples are not considered as stakeholders and specific rules may apply regarding their consultation. Under the Green Marine’s voluntary program, and more specifically for this indicator, the Indigenous Peoples concerned are considered by the participant within the broader group in the same way as the stakeholders identified by the latter. For practical purposes, therefore, Indigenous Peoples are included in the list of examples of indicator stakeholders (criterion 2.3). However, depending on the context of each participant and where this may apply in the implementation of the criteria, participants are encouraged to consider Indigenous Peoples as distinct from other stakeholders.
- For this indicator, General Annex 6-A should be consulted to ensure the proper implementation of the criteria. This appendix contains additional information (rationales, examples of justification documents for external verification, precision of the requirements, implementation options and certain definitions) to help participants properly interpret the criteria and guide them with the implementation of these criteria.

LEVEL 1
Monitoring of regulations
LEVEL 2
<p>2.1 Make available/post a telephone number of, or redirect calls to, the authority in charge of receiving inquiries and concerns (including complaints) related to the participant’s activities.</p> <p>2.2 Develop and implement a documented procedure to keep track of and respond to inquiries and concerns (including complaints). As appropriate, dedicate a person to respond and/or be dispatched to the site in a timely fashion, implement and monitor corrective measures and readjust as needed.</p> <p>2.3 Identify, locate, and update the participant’s network of local stakeholders (e.g. employees, tenants, residents, Indigenous Peoples, NGOs, municipalities/towns, governmental and environmental organizations, suppliers).</p> <p>2.4 Regularly monitor media posts about the participant’s activities.</p> <p>2.5 Communicate information about the participant’s activities and operations using at least two communication means. For example:</p> <ol style="list-style-type: none"> <li>a) Twitter, Facebook, or Instagram;</li> <li>b) LinkedIn;</li> <li>c) TV;</li> <li>d) YouTube;</li> <li>e) Radio or podcast;</li> <li>f) Webpage with community related content;</li> <li>g) Local newspapers;</li> <li>h) Newsletter; or</li> <li>i) Magazine.</li> </ol> <p>2.6 Incorporate in the applicable policies or value statement of the company the commitment of senior management to maintain and improve the quality of community relations.</p>

### LEVEL 3

**Fulfill at least three of the following criteria:**

- 3.1 Describe each stakeholder or stakeholder group identified in criterion 2.3. For each of them, identify issues and concerns related to the participant's activities, as well as any ongoing and potential future collaboration opportunities.
- 3.2 Develop and implement a documented communication strategy or plan with a focus on responsiveness, transparency, engagement to reach out to the community, and feedback.
- 3.3 Publicly disclose at least one annual report or corporate plan related in part or entirely to social responsibility (e.g. sustainability action plan or annual report, corporate social responsibility report, strategic plan).
- 3.4 Implement or participate at least two community outreach strategies annually (e.g. port days, open houses, info sessions, voluntary workshops, visitor or information center, webinars, site tours, school visits).
- 3.5 Participate in social and/or environmental activities or events every year with the community and/or to the benefit of the community (e.g. shoreline clean-up operations, tree-planting campaigns, educational activities, fundraising events, scholarships).  
Note: The participant must provide support, whether through financial means, human resources and/or material and equipment.

### LEVEL 4

- 4.1 Be actively involved in a local community organization or NGO where the subject matter is unrelated to the participant's activities (e.g. be a Board member, regularly participate in committee meetings).  
Note: Payment of membership is not sufficient to fulfill this criterion.
- 4.2 Hold or actively participate, at least twice a year, in meetings with one or more local community members or groups to discuss subjects directly related to the participant's activities. These meetings can include the implementation and/or participation on a permanent committee open to the local community that meets twice a year (e.g., citizen or liaison committee).
- 4.3 Recognize community relationships within the participant's strategic plan as part of the company-wide culture (e.g. aiming for responsiveness, transparency, engagement, and feedback).
- 4.4 Develop and implement a communication process to regularly inform and allow the community to ask questions and make comments before, during, and after implementing new projects with potential social and environmental impacts. Make public and easily accessible all required steps for the community to ask questions and make comments.  
Note: New projects include new services, operations, activities, or handled products with potential environmental or social impacts. Note: See Annex 3-B for more detail.

### LEVEL 5

- 5.1 Evaluate within the last three years the community's perception of the participant. Based on the results, develop and implement measures addressing the concerns raised to improve the relationship with local stakeholders.  
Note: See guidelines in Annex 6-B.
- 5.2 Within the last five years, carry out or participate in a co-creation project or initiative in collaboration with one or more local stakeholders.  
Note: See guidelines in Annex 6-C.