ChecklistGuro

Environmental Aspect & Impact Assessment Checklist

Raw Material Sourcing & Procurement

Assesses environmental impacts related to the acquisition and delivery of raw materials used in the manufacturing process.

Are raw materials sourced locally?

- [ ] Yes
- [ ] No
- [ ] Partially

What certifications do suppliers hold (select all that apply)?

- [ ] Forest Stewardship Council (FSC)
- [ ] ISO 14001
- [ ] Recycled Content Certification
- [ ] Fair Trade Certification
- [ ] None

Percentage of raw materials from recycled sources (%)

Enter a number...

Describe any known environmental risks associated with specific raw materials (e.g., deforestation, habitat destruction)

Write something...

Are suppliers assessed for environmental performance?

- [ ] Yes
- [ ] No
- [ ] Planned

Upload Supplier Environmental Questionnaires (if available)

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Identify key raw material(s) with highest environmental impact

Write something...

Energy Consumption

Evaluates energy usage across all manufacturing processes and related activities.

Total Annual Electricity Consumption (kWh)

Enter a number...

Total Annual Natural Gas Consumption (Therms)

Enter a number...

Annual Diesel/Fuel Oil Consumption (Gallons/Liters)

Enter a number...

Primary Energy Source(s)

- [ ] Grid Electricity
- [ ] Renewable Energy (Specify: _____)
- [ ] Natural Gas
- [ ] Fuel Oil
- [ ] Propane
- [ ] Other (Specify: _____)

Description of energy-efficient technologies or practices implemented.

Write something...

Percentage of energy from renewable sources.

Enter a number...

Are energy audits conducted? (Frequency)

- [ ] Yes (Annually)
- [ ] Yes (Every 2 Years)
- [ ] Yes (Other - Specify: _____)
- [ ] No

Date of Last Energy Audit

Enter date...

Summary of energy audit findings and recommendations.

Write something...

Water Usage & Discharge

Focuses on water intake, use, and discharge, including potential pollution and wastewater treatment.

Estimated Average Daily Water Intake (m^3)

Enter a number...

Percentage of Water Recycled/Reused (%)

Enter a number...

Description of Wastewater Treatment Processes

Write something...

Average Daily Volume of Wastewater Discharged (m^3)

Enter a number...

Type of Receiving Water Body (e.g., River, Lake, Municipal Sewer)

- [ ] River
- [ ] Lake
- [ ] Municipal Sewer
- [ ] Other - Specify

Description of Potential Impacts of Wastewater Discharge (e.g., Temperature, pH, Dissolved Oxygen)

Write something...

Parameters Monitored in Wastewater Discharge (e.g., pH, BOD, TSS, Heavy Metals)

- [ ] pH
- [ ] BOD
- [ ] TSS
- [ ] Heavy Metals
- [ ] Temperature
- [ ] Oil & Grease
- [ ] Other - Specify

Date of Last Water Usage/Discharge Audit

Enter date...

Summary of Findings and Recommendations from Last Water Usage/Discharge Audit

Write something...

Air Emissions

Identifies and assesses air pollutants released during manufacturing, including greenhouse gases and volatile organic compounds (VOCs).

Annual CO2 Emissions (tonnes)

Enter a number...

Annual NOx Emissions (tonnes)

Enter a number...

Annual SOx Emissions (tonnes)

Enter a number...

Annual Particulate Matter (PM) Emissions (tonnes)

Enter a number...

Control Technologies in Use (e.g., scrubbers, filters)

- [ ] None
- [ ] Scrubbers
- [ ] Filters
- [ ] Catalytic Converters
- [ ] Other (Specify in LONG_TEXT)

Description of Air Emission Sources (e.g., boilers, processes)

Write something...

Compliance with Air Quality Permits?

- [ ] Yes
- [ ] No
- [ ] N/A

Air Emission Monitoring Reports (if applicable)

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Waste Generation & Management

Covers all types of waste produced (hazardous, non-hazardous, recyclable) and its handling, treatment, and disposal.

Estimated Total Waste Generated (kg/year)

Enter a number...

Types of Waste Generated (Select all that apply)

- [ ] Hazardous Waste (e.g., solvents, chemicals)
- [ ] Non-Hazardous Waste (e.g., paper, plastics)
- [ ] Recyclable Materials (e.g., metal, cardboard)
- [ ] Food Waste
- [ ] Electronic Waste (e-waste)
- [ ] Sludge/Process Residues

Description of Waste Management Practices

Write something...

Waste Disposal Method (Primary)

- [ ] Landfill
- [ ] Incineration
- [ ] Recycling
- [ ] Composting
- [ ] Waste-to-Energy
- [ ] Other (Specify)

Details of Hazardous Waste Handling Procedures (if applicable)

Write something...

Waste Manifest Records (sample)

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Percentage of Waste Recycled (Estimate)

Enter a number...

Noise & Vibration

Evaluates potential noise and vibration impacts on surrounding areas and employees.

Ambient Noise Level (dB) - Pre-Operational

Enter a number...

Ambient Noise Level (dB) - Operational (near boundary)

Enter a number...

Maximum Vibration Level (mm/s) - Operational (ground)

Enter a number...

Noise Mitigation Measures Currently in Place?

- [ ] None
- [ ] Enclosures
- [ ] Sound Barriers
- [ ] Equipment Dampening
- [ ] Operational Adjustments
- [ ] Other (Specify in LONG_TEXT)

If 'Other' selected above, please specify noise mitigation measures:

Write something...

Potential Noise Receptors Impacted (Check all that apply)

- [ ] Residential Areas
- [ ] Commercial Businesses
- [ ] Schools/Daycares
- [ ] Hospitals/Healthcare Facilities
- [ ] Sensitive Wildlife Habitats
- [ ] Other (Specify in LONG_TEXT)

If 'Other' selected above, please specify potential noise receptors:

Write something...

Date of Noise/Vibration Measurement

Enter date...

Location of Measurement (GPS Coordinates)

Set My Current Location

Storage & Handling of Chemicals & Hazardous Materials

Addresses risks associated with the storage, handling, and potential release of chemicals and other hazardous materials.

Description of Chemicals/Hazardous Materials Stored

Write something...

Hazard Classifications (e.g., Flammable, Corrosive, Toxic)

- [ ] Flammable
- [ ] Corrosive
- [ ] Toxic
- [ ] Reactive
- [ ] Oxidizing
- [ ] Other

Maximum Quantity of Each Chemical Stored (in kg or liters)

Enter a number...

Secondary Containment Measures in Place (e.g., bunds, drip trays)

Write something...

Ventilation System Type (if applicable)

- [ ] Natural Ventilation
- [ ] Mechanical Ventilation
- [ ] Local Exhaust Ventilation
- [ ] None

Date of Last Chemical Storage Area Inspection

Enter date...

Summary of Findings from Last Chemical Storage Area Inspection & Corrective Actions

Write something...

SDS (Safety Data Sheet) for Key Chemicals

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Fire Suppression System Type

- [ ] Sprinkler System
- [ ] CO2 System
- [ ] Dry Chemical System
- [ ] Other
- [ ] None

Transportation & Logistics

Considers environmental impacts related to the transport of raw materials, finished products, and waste.

Average Distance (km) for Raw Material Transport

Enter a number...

Average Distance (km) for Finished Product Distribution

Enter a number...

Mode of Transport for Raw Materials (Primary)

- [ ] Truck
- [ ] Rail
- [ ] Ship
- [ ] Air
- [ ] Other

Mode of Transport for Finished Goods (Primary)

- [ ] Truck
- [ ] Rail
- [ ] Ship
- [ ] Air
- [ ] Other

Fuel Types Used by Transport Vehicles

- [ ] Diesel
- [ ] Gasoline
- [ ] CNG/LNG
- [ ] Electric
- [ ] Biodiesel
- [ ] Other

Description of Fuel Efficiency Measures (e.g., route optimization, vehicle maintenance)

Write something...

Estimated Annual Fuel Consumption (liters/gallons)

Enter a number...

Are Transport Contractors Subject to Environmental Performance Requirements?

- [ ] Yes
- [ ] No
- [ ] Not Applicable

Product Design & Lifecycle

Examines the environmental footprint of the product itself, from design to end-of-life.

Describe the product's intended functionality and use.

Write something...

What materials are used in the product’s construction? (Select all that apply)

- [ ] Metals (e.g., Steel, Aluminum)
- [ ] Plastics (Specify type if possible)
- [ ] Wood
- [ ] Glass
- [ ] Composites
- [ ] Bio-based Materials
- [ ] Other (Specify)

Estimated product lifespan (in years).

Enter a number...

Describe the product's design for disassembly and recyclability.

Write something...

What is the primary end-of-life scenario for this product?

- [ ] Landfill
- [ ] Recycling
- [ ] Composting
- [ ] Reuse/Refurbishment
- [ ] Energy Recovery

Upload a Product Design Specification Document (if available).

Upload File

Describe any efforts made to minimize material usage in the product’s design.

Write something...

Percentage of recycled content in the product (estimate if necessary).

Enter a number...

Emergency Preparedness & Response

Evaluates procedures in place to minimize environmental damage in the event of accidents or emergencies.

Is there a documented Emergency Response Plan?

- [ ] Yes
- [ ] No
- [ ] Under Development

Briefly describe the scope and objectives of the Emergency Response Plan.

Write something...

Which types of emergencies are addressed in the plan? (Select all that apply)

- [ ] Spill Response
- [ ] Fire
- [ ] Flood
- [ ] Chemical Release
- [ ] Equipment Failure
- [ ] Natural Disaster (e.g., Earthquake)

Date of last Emergency Response Plan Review

Enter date...

Frequency of Emergency Drills (e.g., drills per year)

Enter a number...

Summarize key roles and responsibilities during an emergency (e.g., Emergency Coordinator, Spill Response Team).

Write something...

Upload a copy of the Emergency Contact List.

Upload File

Location of Spill Containment Kits (indicate specific areas)

Set My Current Location