

Environmental, Health and Safety



Legal Requirements in Mexico

Motorola México

Political Constitution of Mexico

(Constitución Política de los Estados Unidos Mexicanos)

Laws by Sector

(Leyes Sectoriales)

Regulations

Reglamentos

NOM's

Motorola México

Official Mexican Regulations

NOM's

The Official Mexican Regulations are the combination of Scientific or Technical Standards that set the requirements, specifications, conditions, procedures, parameters, and tolerable limits to follow during activities of use and destinations of goods, which cause or may cause Ecology or Safety disturbance of harm, that also produce uniform principles, criteria of policies and strategies in the matter.

¿What Do NOM's Reflect?

- ✓ **Technical Scientific Expertise**
- ✓ **Social Perception of Health and Environmental Risk**
- ✓ **Public Health Problems**
- ✓ **Economic and Technical Resources**
- ✓ **Vulnerability of the Ecosystems and Health**
- ✓ **National Priorities**

Official Mexican Norms

- 3 in the matter of Residual Water
- 9 in the matter of Hazardous Waste
- 31 in the matter of Air Emissions
- 4 in the matter of Noise
- 5 in the matter of Natural Resources
- 8 in the matter of Environmental Protection



SEMARNAT
MEXICAN EPA

```
graph LR; SEMARNAT[SEMARNAT MEXICAN EPA] --> INE[INE: Elaborate Norms, Environmental Policy, Environmental Impact & Risk Information to the Public]; SEMARNAT --> PROFEPA[PROFEPA: Norms Verification, Application of Sanctions, Environmental Audits, Public Denounce]; SEMARNAT --> CONAGUA[CONAGUA: Water Administration, Water Usage, Water Contamination];
```

INE:
Elaborate Norms
Environmental Policy
Environmental Impact & Risk
Information to the Public

PROFEPA:
Norms Verification
Application of Sanctions
Environmental Audits
Public Denounce

CONAGUA:
Water Administration
Water Usage
Water Contamination

Functions of the SEMARNAT Mexican EPA

- ✓ **Environmental Protection and Natural Resources**
- ✓ **Environmental Policy**
- ✓ **Criteria and Norms**
- ✓ **Implement and Enforce Legal Compliance**
- ✓ **Protect Natural Resources**
- ✓ **Environmental Impact and Risk**

General Law of Environmental Protection (LGEEPA)

Title I
General
Provisions

Title II
Natural
Protected
Areas

Title III
Best Use of
Natural
Resources

Title VI
Control Measures
Safety &
Penalties

Title V
Social
Participation

Title IV
Environmental
Protection

LGEEPA

State Laws

State Regulations

Regulations

Norms & Criteria

Municipal Laws

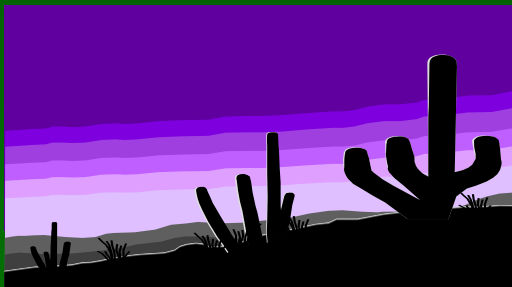
**Environmental
Impact Evaluations**

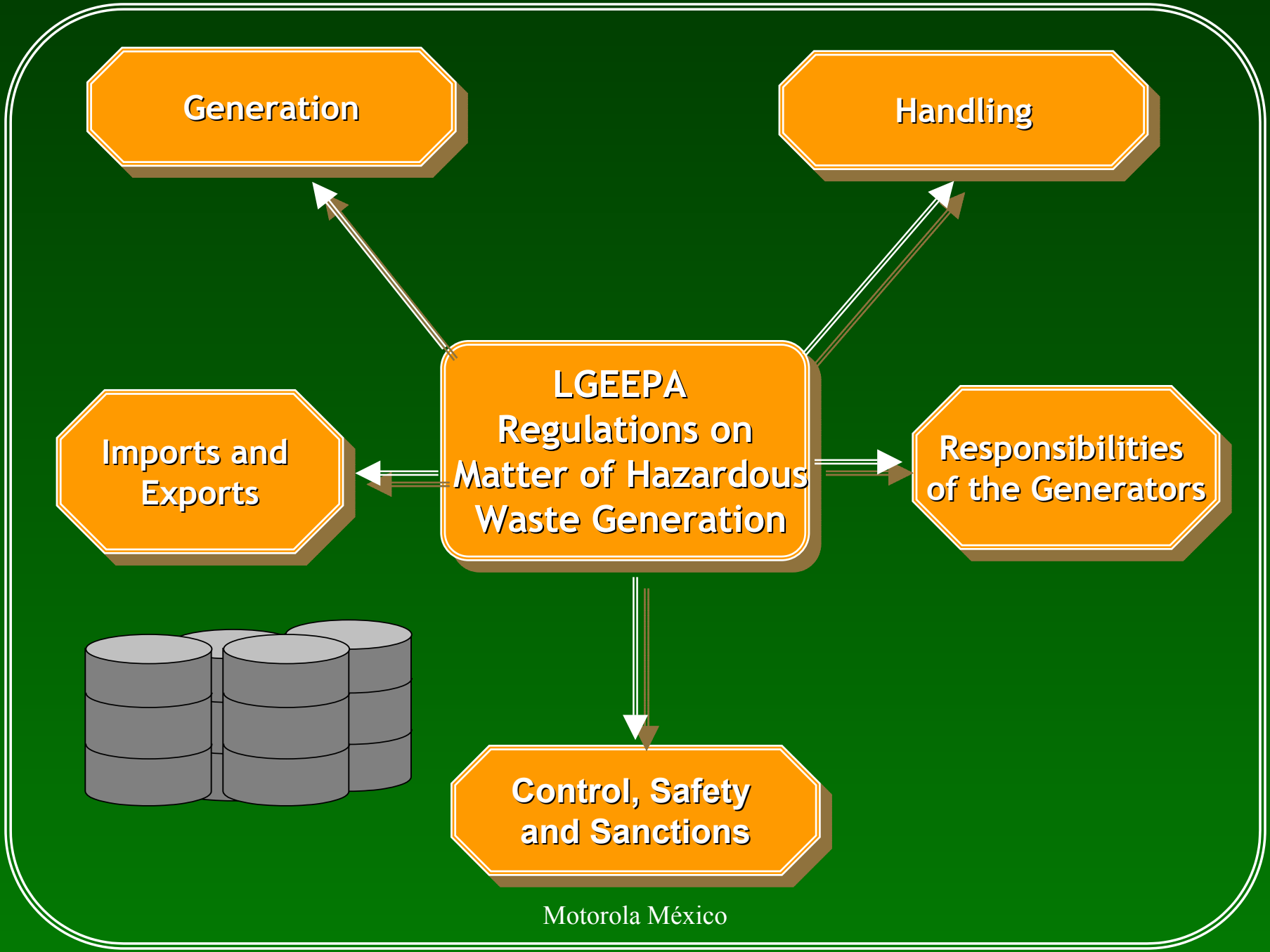
**Environmental Impact
Evaluation of Forest
And Protected Natural
Areas Use**

**LGEEPA Regulations
on Matters of
Environmental
Impact**

**Environmental
Impact Trens**

**Control, Safety
and Sanctions**





Generation

Handling

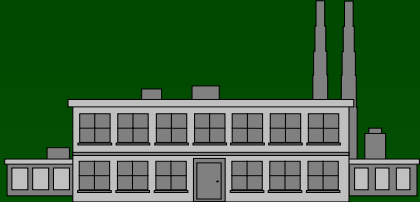
Imports and Exports

LGEEPA
Regulations on
Matter of Hazardous
Waste Generation

Responsibilities
of the Generators

Control, Safety
and Sanctions

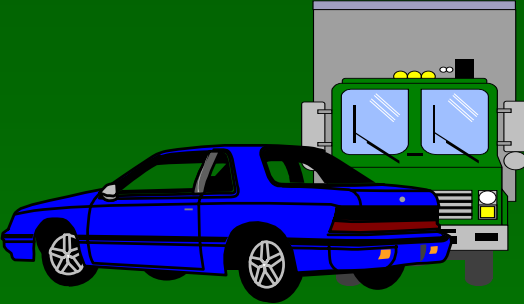
Fixed Sources



**LGEEPA
Regulations on
Matters of Air
Emissions**

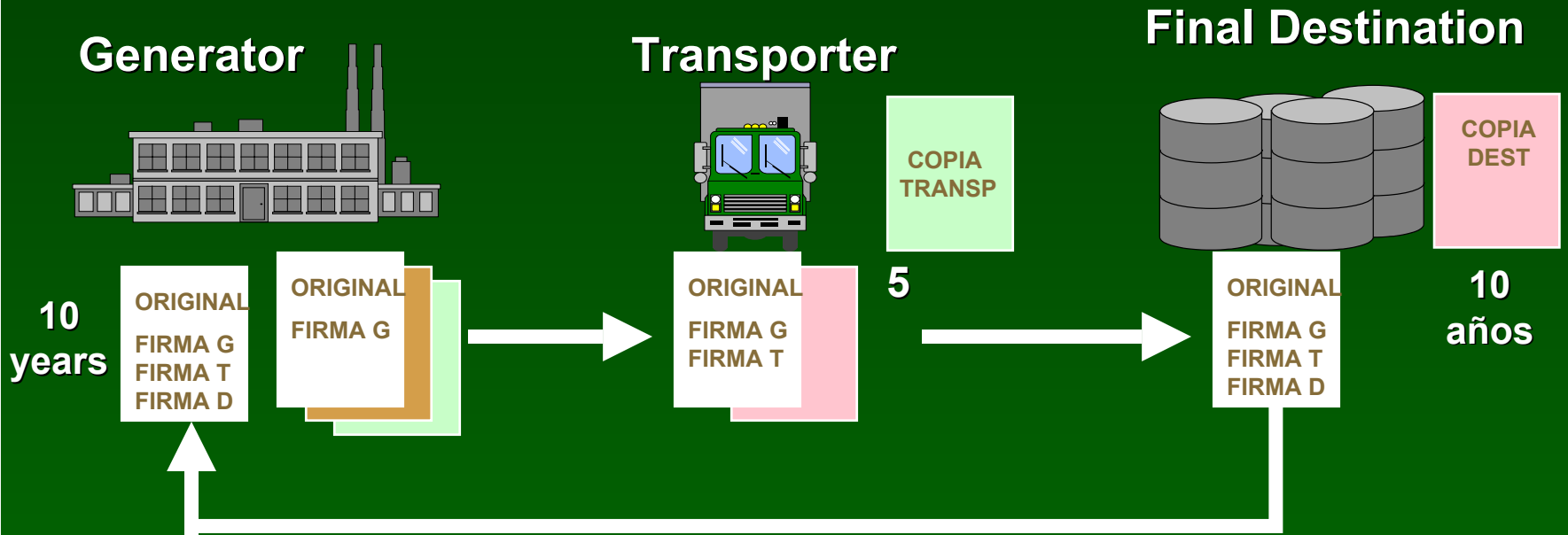
**Air Quality
Information**

**Mobile
Sources**



**Control, Safety
and Sanctions**

Hazardous Waste



PROCEDURE TO START AN OPERATION IN MEXICO

	D E S C R I P T I O N	AGENCY	Cost DlIs	RESPONSE TIME
1.0	Ground Use Feasibility	Municipal	150	14 days
2.0	Environmental Impact	SIUE	600	30 days
3.0	Operating License	SIUE	500	30 days
4.0	Pressure Tank Register (if applicable)	SIUE/STPS	No cost	Submit only
5.0	Residual Waters Register	COAPAES	No cost	Submit only
6.0	Contingency Plan	SIUE/STPS	No cost	Submit only
7.0	Risk Study	SIUE	No cost	30 days
8.0	Ground Use License	Water Company	No cost	30 days
9.0	Operating Notification for Process Food	SSA	No cost	Submit only
10.0	Manifest from Hazardous Waste Generator	SEMARNAT	No cost	Submit only

Motorola México

Note: The are cost for Hiring consultants to fill out the requirements and the lab sample analysis

Official Mexican Norms by the STPS (Mexican OSHA)

- *Safety*
- *Hygiene*
- *Labor Organization*

Official Mexican Norms

STPS

Safety NOM's

- Building Safety
- Equipment Safety
- Electrical Installation
- Mines
- Fire Safety
- Materials

Official Mexican Norms

STPS

Hygiene NOM's

- Chemical Substances
- Physical Agents
- Sampling Methods

***MEXICAN SAFETY AND HEALTH VOLUNTARY
PROGRAM (SHVP)***
***(DIAGNOSTICO DE SEGURIDAD E HIGIENE EN EL
TRABAJO)***

The SHVP began as an initiative of the “Secretaría del Trabajo y Previsión Social (STPS)” (Mexican OSHA) to empower companies to do annual self assessments to comply with applicable regulations and be exempt from non-scheduled audits and free the STPS to direct their efforts to other companies as well as to promote the voluntary program.

Section 1.- Health Risk Assessment

- ✓ Work related risk by department (A)
- ✓ Work related risk by shift (B)
- ✓ Summary of Health Risk integrating A & B results
- ✓ Risk analysis by department includes: **Sick Leave Loss Days, Permanent Disability and Deaths**
- ✓ Health Risk Final Report by department
- ✓ (less than 60% = Poor 60 – 89 % = Average
more than 90% = Good)

Note: All these evaluations have a ranking system equal to percentage of compliance

Section 2.- Regulatory Compliance Assessment

In this Second Phase every department is evaluated and ranked for compliance with the applicable regulations that include:

Pressure Tanks, Machine Guarding, Hygiene Evaluations, Fire Prevention Systems, PPE, Electrical Installation, Safety Signs and color coding, Material Handling, Housekeeping, Hazardous Materials and General Safety Conditions.

Note: All these evaluations have a yes or no ranking system, for every partial or non-compliance we need to develop an action plan.

Section 3.- Summary of Risk & Regulatory Compliance

In this Final section, the company compares the Combined results of the Health Risk Assessment and Regulatory Compliance, to determine their average in four levels:

Less than 60% is Poor

Between 60 and 74% is Average

Between 75 and 89% is Fair

Over than 89% is Good

Note: If the results are less than 80% the qualification is deficient.

Annual Commitment Company and STPS



Once the company determines their percentage rate of compliance, then the following step is to create an annual action plan to correct all partial or non compliance areas expressed in a letter of commitment to STPS for the present year.

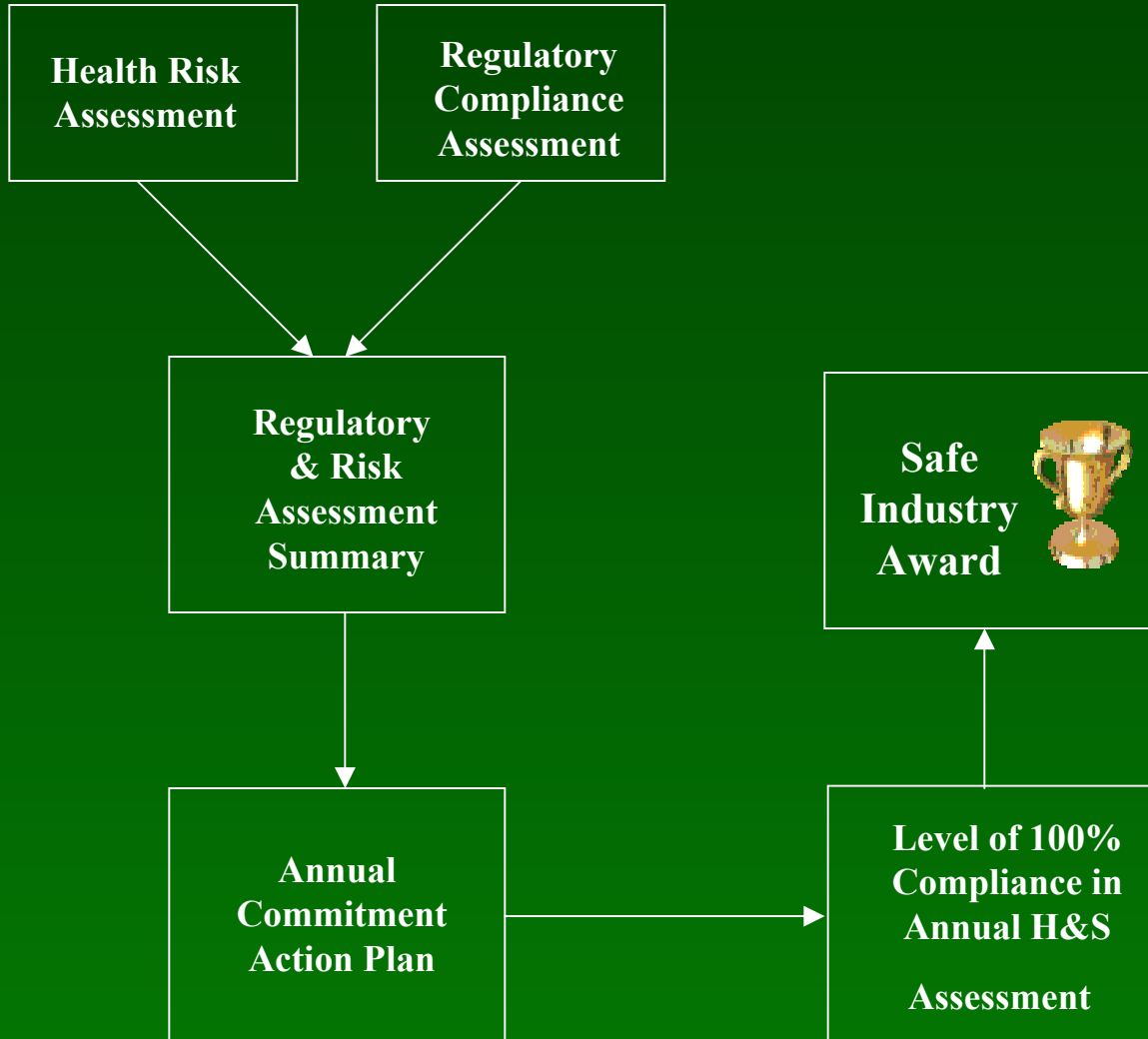
Safe Industry Award



When the voluntary program has achieved 100% compliance, the company may apply for an award from the STPS which consists of two audits within a 90 day period to certified the excellence in compliance.

Flow chart of the Mexican Health and Safety Voluntary Program

<http://www.stps.gob.mx/>



Motorola México