



HEALTH AND SAFETY

Health and Safety tips for all personnel in and out of the workshop:

-  All emergency exits should be unblocked and have signage;
-  All floors should be levelled and always free from spills, grease, tools and solid waste;
-  "NO SMOKING" signs should be erected and all fire extinguishers must be serviced and working;
-  No naked flames (flames out in the open), except when body welding or grinding, should be allowed.
-  Provide proper 'First Aid' equipment;
-  All employees or mechanics should be dressed in their Personal Protective Equipment, such as safety boots, face shields, gloves, etc. once on site;
-  Proper sanitary facilities should exist for hand and body washing; and
-  All employees should be trained and instructed on emergency procedures.

DO YOU NEED AN ENVIRONMENTAL AUTHORISATION?

An Environmental Authorisation is required for Mechanic workshops with a workload of five (5) or more vehicles per month. Facilities with less vehicles but are involved in activities such as spray painting, AC repairs, cleaning etc. may also need an Environmental Authorisation. Kindly contact the EPA for additional information.

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**GOOD ENVIRONMENTAL
PRACTICES FOR
MECHANIC WORKSHOPS
IN GUYANA**

MECHANIC WORKSHOPS AND THE ENVIRONMENT

Mechanic workshops deal with the creation, structuring and maintenance of mechanical equipment. Have you ever wondered what effects mechanic workshops have on the environment?

 Pollution from oil is recognised as one of the most common types of water pollution. Oil spills and careless disposal of oil wastes into drainage systems can ultimately reach the receiving surface water.

 Batteries contain lead, lead sulphate, lead dioxide and sulphuric acid, all of which can be very harmful to the environment even when they have been drained of acid.

 When we think of how car emission control systems in automobiles work, we usually think of smoke or fumes coming out of our exhaust pipes. This is because while we drive, internal combustion creates noxious chemicals (such as CO₂ and nitrogen oxides). These are released into the air and pose a risk to human health.

 Evaporated gasoline is one of the leading causes of smog and air pollution.

PRACTICES TO BE FOLLOWED

 Exhaust vents should be put in place to remove vapours. In determining suitable stack height, reference should be made to the " Good Engineering Practice Stack Height" formula. Exhaust stacks should include effective filter systems to reduce emissions.

 Workshops should not be located within a residential area. Additionally, they should be at least 50 meters away from the nearest property.

When handling potentially dangerous goods, hazardous waste and toxic substances:

 Ensure it is done according to standards set by the EPA and the Pesticides and Toxic Chemicals Control Board;

 Maintain the circulation of fresh air in and out of the building;

 All fuel, paints, solvents and other hazardous chemical should be stored in sealed and labelled containers within a bonded area;

 Retired (old) batteries should be properly stored;

 Rags used to soak up solvents or hazardous wastes should not be washed under a pipe but stored in a closed container and labelled.

 Any waste that is produced from Mechanic workshops should be disposed of in accordance with the recommended standards.

TOOLS AND EQUIPMENT

 Storage of tools and equipment should be done in a safe manner.

 Equipment and tools should be stored within designated areas to avoid hazardous slips and falls.

 All equipment should be maintained and serviced to reduce air and noise pollution.

NOISE EMISSIONS

Equipment used for hydraulics or other activities can also be a source of noise. Noise for such activities should be within the established GNBS Guidelines for noise emissions into the environment.

CATEGORIES	DAYTIME LIMITS	NIGHTTIME LIMITS
Residential	75dB	60dB
Institutional	75dB	60dB
Educational	75dB	60dB
Industrial	100dB	80dB
Commercial	80dB	65dB