HAZARDOUS LOCATIONS DEFINITIONS

HAZARDOUS LOCATIONS - Areas where the possibility of explosion or fire exists because of the presence of flammable gases, vapors, or dust etc.

- **DIVISION 1 -** Locations where the hazard is expected to be present during normal production operations, or during frequent maintenance and repair activities.
- **DIVISION II -** Locations where the hazards would only exist as a result of an accident or other abnormal event such as a rupture or spillage.

CLASS I - Areas wheresufficient quantities of flammable gases or vaports exist in the air to be explosive or ignitable.

- Offshore and land based drilling rigs, petroleum exploration and testing facilities.
- Petroleum refineries, gasoline storage and dispensing areas.
- Industrial firms that use flammable liquids in dip tanks for parts cleaning or other operations.
- Petrochemical companies that manufacture chemicals from gas and oil.
- Dry cleaning plants where vapors from cleaning fluids can be present.
- Artcraft hangars and fuel servicing areas.
- Utility gas plants and operations involving storage and handling of liquefied petroleum gas or natural gas.

GROUP D - Gases or vapors with specific explosive characteristics grouped together including:

Acetone	Cyclohexane	Iso Butyl Alcohol	Propane
Acrylonitrile	Decane	Isooctane	Propylene
Ammonia	Ethano	Isoprene	Propyl Acetate
Amyl Acetate	Ethylene Dicholoride	Methane	Styrene
Amyl Alcohol	Ethyl Acetate	Methanol	Toluene
Benzene	Ethyl Alcohol	Methyl Acetate	Vinyl Acetate
Blast Furnace Gas	Ethyl Methyl Keytone	Methyl Alcohol	Vinyl Chloride
Buta - 1:3 Diene	Ethyl Nitrite	Naphtha	Xylene
Butane	Heptane	Natural Gas	
Butyl Acetate	Hexane	N-Butyl Alcohol	

CLASS II - Areas which are made hazardous by the existence of combustible dusts.

- Coal preparation plants and other carbon handling or processing areas
- Grain elevators, flour and feed mills.

Carbon Monazite

- Plants that manufacture, use or store magnesium or aluminum powders.
- Plants that have chemical or metallurgical processes, producers of plastics, medicines and fireworks, etc.

Pentane

- Producers of starch or candies.
- Spice grinding plants, surgar plants and cocoa plants.
- **GROUP E -** Powdered metals such as aluminum and magnesium, and other metal dusts with similar characteristics.
- **GROUP F -** Dusts such as carbon black, coke, and coal dust.
- **GROUP G** -Dusts, including flour, starch, spices and grain dust.