FLARES

METHOD OF ABATEMENT

Flares are control devices used to safely combust unwanted process waste gas streams and are essential for safe plant operation and the abatement of routine emissions. Being an innovative designer of environmental low flow, sonic, utility flare systems and more, Gulf Coast Environmental Systems can provide you with a cost effective, turn-key gas flare solution that will more than satisfy any requirements.

Types of Flares:

- **Flare Pilots and Spark Igniters**
  - Flare pilots and spark igniters are specifically designed for production field and gas plant flares. The robust design and simple operation make them ideal for remote unmanned locations.
- **Trailer Flare Systems**
  - Trailer Flare Systems are a convenient method of burning waste gases from pipelines, well sites and storage facilities. Each trailer is completely self contained.
- **High Pressure Air Flare**
- **Low Flow Flare**
  - Many wellhead and tank battery sites have low gas emission rates, but are sufficiently large to require hydrocarbon emission control.
- **Low Pressure Air Assist**
  - Low pressure air is an excellent method for smoke free combustion of heavier gas streams. The flare gas and blower air flow coaxially to the flare tip where they mix.
- **Sonic Flare**
  - A sonic flare uses the flare gas pressure to eliminate smoke, lower flame radiation and shorten the flame length. Sonic flares can reduce capital costs with lower stack heights and a smaller flare header size.
- **Steam Assist Flare**
  - If your plant has a steam boiler, a steam assisted flare is the ideal method for smoke free flaring.
- **Tank Battery Flare**
- **Utility Flare**
  - The main purpose of a utility flare is to safely ignite the flare gas at any flow rate and under any environmental condition.
- **Truck Loading Flare**
  - Some production facilities lack a pipeline to move the product and elect to truck the condensate out of the storage tanks. GCES Truck Loading Flares are designed to safely dispose of the vapors from the truck loading operation.