

A brief report on

# HUGE FIRE AT IOC OIL DEPOT, JAIPUR, INDIA ON 29 OCT.-2009

- Aasif Vindhani, QP Refinery, Qatar





# How it start?

The fire broke out when petrol was being transferred from the depot to a pipeline and soon got out of control. A leak in the pipeline is suspected to have caused the blaze.

Initial Timeline: **29 October-2009, Thursday (IST)**

- ❑ 6.45 PM : A leakage was detected in IOC depot in Jaipur. For next 40 minutes engineers tried to repair it.
- ❑ 7:30 PM : The first container exploded, causing effect of equivalent to a mild quake measuring 2.3 on the Richter scale.
- ❑ 8:00 PM : The fire became uncontrollable
- ❑ Immediately all 12 tanks catch fire!
- ❑ These were floating roof tanks...the fire started from some leakage in pipeline..the initial blast might have damaged the vapour seals of the tank thereby starting leakage at rim of tank and then the fire..
- ❑ **A larger tragedy was averted as the LPG cylinders remained safe.**







# Rescue Operations!

- ❑ Within minutes, two dozen fire extinguishers were rushed to the spot.
- ❑ 5 KM periphery area declared as “Dangerous zone.”
- ❑ The surrounding area has been evacuated and power cut off.
- ❑ 500,000 people shifted to safe location.
- ❑ Many, among those who were evacuated, were the patients, doctors and staff of a government hospital and engineering and medical students of 10 colleges.
- ❑ The injured have been rushed to three major hospitals of Jaipur including the SMS hospital.
- ❑ All the factories and institution operating from the Sitapura industrial area have been asked to shift manpower to a different location.
- ❑ 300 army men helped with rescue, as some people were feared trapped in the depot.
- ❑ Cold water mixed with foam has been sprayed on the pipeline of LPG storage tankers located near the petroleum depot to keep it cool and unaffected from the heat generated from the fire.
- ❑ Precautionary measures were taken to secure a nearby Indane gas bottling plant
- ❑ **Nothing much could done to extinguish fire until “All fuel burnt out”**
- ❑ **Took more than 90 Hrs** to control/extinguish fire completely!





HINDUSTAN

PETROLEUM

CORPORATION

LIMITED



**TFF LARGE MK-V**





# Losses!!!

- ❑ 12+ people died.
- ❑ 150+ injured.
- ❑ \$65,000,000 Property /Product damage.
- ❑ More than 8,000,000 liters petroleum products burnt.
- ❑ Environmental impact, beyond imagination!
- ❑ Fire could be seen from 20km away.
- ❑ Glasses of periphery buildings were shattered.
- ❑ Many vehicles badly damaged.
- ❑ It will take minimum 12 to 18 months to rebuild the facility.
- ❑ Nearby factory and houses also caught fire.
- ❑ See the devastating damage in sub-subsequent slides.
- ❑ Many people in surrounding areas have complained about breathing problems.































































Message!

**NEVER UNDER ESTIMATE NOR  
OVERLOOK ANY LEAKAGE!!**

- Aasif Vindhani, QP Refinery, Qatar

