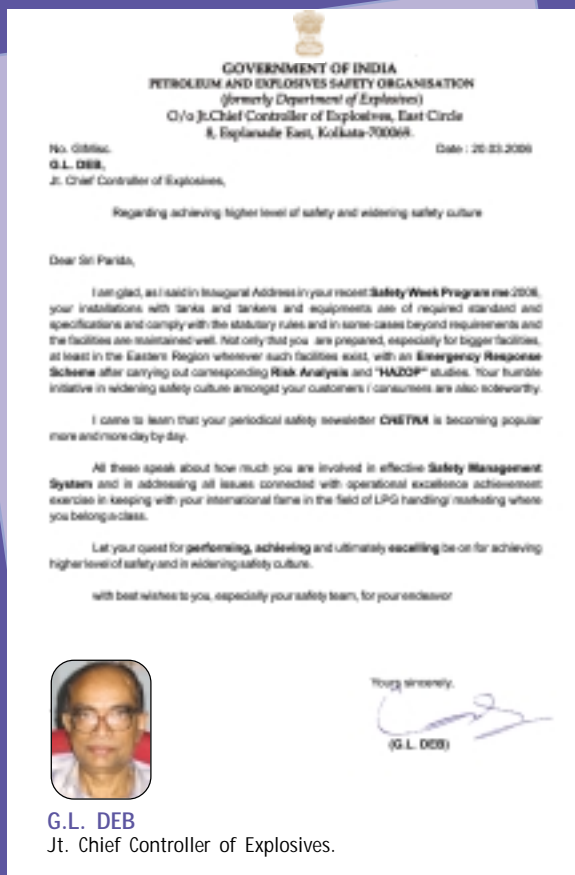
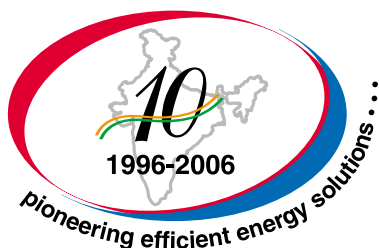


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From the Editor's Desk....



On 4th march 2006, 35th National Safety Day was celebrated by Super Gas across all its locations with the objective of renewing commitment towards safety through the years. The week long celebrations revolved primarily on creating a greater awareness through safety training/clinics at all our Plants and Terminals as also at customer premises

Besides statutory authorities, our customers and families were invited to plants to take part in the Safety Week celebrations. We thank them for their participation and their words of encouragement

Some of our colleagues also looked beyond our customers and went to many who were not buying our LPG. This initiative was welcomed and appreciated by LPG customers of other LPG companies

The January 2006 issue of Chetna received an even greater response and we got a request from many of our valued customers to put them on our mailer list. Chetna was also liked by several statutory officials and we thank them for the same

Safety has always been a prime focus of our company. Let us all take this opportunity to remind ourselves of our responsibility in ensuring integration of Health, Safety and Environment in our work culture and life style.



Safety Systems of LPG Vaporizer

Maintenance of Vaporizers used in the bulk and liquid off-take installations is an important requirement. Vaporizers convert liquid LPG into vapor and mainly consist of SS coil, water tank, 2 nos thermostats, temperature & pressure gauges, non-return valve & panel board for control

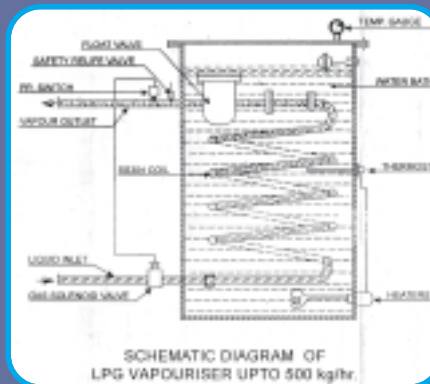
Vaporizers can be of different capacities ranging from 50Kg/hr to 500Kg/hr, depending upon the hourly consumption of the gas. It is important to understand the various safety systems provided for the safe operation of vaporizers

Safety System in a vaporizers :

a. The solenoid valve is provided on the inlet side to ensure that the liquid LPG enters the SS coil only when the temperature of the bath reaches the desired limit, to facilitate sufficient heat transfer between water and liquid LPG. It is normally kept in closed condition and opens when the water bath temperature reaches 55°C. The functioning of this valve should be tested atleast once in six months

b. The liquid trap with float valve is provided to entrap any liquid in the SS coil that does not get vaporized. When the liquid level rises the float valve closes thereby preventing any further liquid entry. The liquid trap should be cleaned atleast once a year

c. Pressure Switch – It is installed to shut the solenoid valve provided in the liquid inlet in case of abnormal increase in the downstream pressure after the first stage regulator, thereby stopping further supply of liquid LPG inside the vaporizer. The setting of this pressure switch is kept normally 30% higher than the set pressure



of first stage regulator. This pressure switch gets activated by sensing pressure downstream of the 1st stage regulator. The functioning of this switch should be tested atleast once in a year

d. Safety Relief Valve – It is provided to release any excess pressure built up in the vaporizer either due to accidental closure of outlet valve or malfunctioning of downstream instrumentation. The functioning of the SRV should be tested atleast once in a year

e. Thermostats – Two set of thermostats are provided – one for high temperature cut-off and the other for low temperature cut-off. The high temperature cut-off circuit trips the electrical supply to the water heaters and the low temperature cut-off is interlocked to the gas solenoid valve to close the LPG liquid inlet in case water temperature falls below 55 deg C. The functioning of the thermostats should be checked atleast once every quarter

f. Low Water Level Control – This is an optional feature which can be provided for additional safety to cut-off the electrical supply to water heaters in case water level falls below the minimum mark in the vaporizer. This feature prevents “burning off” of the water heaters in case of low water level

The other parts of the vaporizer should also be maintained as per the stipulated maintenance periodicity

Sanjeev Kaul
Delhi

Hydro-Testing of LPG Storage Vessel

All pressure vessels are required to be hydraulically tested by a competent person at intervals not exceeding five years after the first test. Hydro-test of Pressure vessels is the process of pressurizing the vessel filled with water to 1.3 times the design pressure. This is a mandatory five yearly statutory requirement [as per Rule 19 of SMPV Rule 1981 and Factories Rules 56 and Sub rule 5(b)] and is necessitated as the pressure vessel is subjected to different stresses over a period of time, due to storage of product at different levels. When only a single bullet is installed and no standby is available, time is of great significance and meticulous planning can bring down the time for the test to a great extent and thereby minimize the down time of LPG Installations.



The Bullet Hydro testing process includes a few critical activities where the following safety precautions need to be observed:

- ❖ Emptying out of liquid LPG and vapors from bullet
- ❖ Making bullet Gas free by controlled venting and constant monitoring with explosimeter, water filling, draining and venting to atmosphere
- ❖ Internal Cleaning and flushing
 - Use of Breathing Apparatus
 - Vessel entry procedures
 - Proper disposal of hazardous waste into underground pit
- ❖ Thickness testing to get the representative thickness of total vessel and comparison with respect to design thickness
- ❖ Filling of bullet with good quality water and ensuring vessel is devoid of any air pockets. If bullet calibration is to be repeated, same can be undertaken using a simple flow meter
- ❖ Pressurizing of bullet with hydraulic pump to hydrotest pressure for 30 minutes and close observations for any leak at weld and flanged joints

- ❖ Testing of Safety Relief Valves
- ❖ Testing of EFCV or using spare EFCV of similar rating
- ❖ Re-fixing of nozzles and manhole
- ❖ Nitrogen Pressure Testing, Purging and Commissioning

The hydro test planning process involves the following important activities:

- ❖ Advance intimation of test date to all concerned
- ❖ Procurement of spares like manhole fasteners, gaskets, spare EFCV, nitrogen etc. well in advance
- ❖ All equipment required for the test with required manpower should reach site at least one day in advance
- ❖ Availability of Competent person at test site on day of test
- ❖ Standby tanker to be available at customer site for undertaking immediate commissioning after hydro-testing

The entire activity if well planned and executed can be completed in a few days time

Myanam Ramesh
Hyderabad

A Healthy summer for all!

Summer is round the corner. Here are some tips to identify heat related illness together with few corrective measures in case one gets it!

Heat Illness has two categories:

- ❖ Heat Exhaustion with symptoms of headache, dizziness, weakness, the inability to think straight; upset stomach; vomiting; decreased or dark colored urine; fainting or passing out
- ❖ Heat Stroke with symptoms of dry, pale skin with no sweating; hot, red skin that looks sunburned; mood changes such as irritability, confusion, or the inability to think straight; seizures or fits; and unconsciousness with no response

What should you do in case of heat exhaustion/stroke?

- ❖ Act immediately. If not treated, heat exhaustion may advance to heat stroke or death

- ❖ Move the victim to a cool, shaded area to rest. Don't leave the person alone. If symptoms include dizziness or light-headedness, lay the victim on his or her back and raise the legs 6 to 8 inches. If symptoms include nausea or upset stomach, lay the victim on his or her side
- ❖ Loosen and remove any heavy clothing
- ❖ Have the person drink cool water (about a cup every 15 minutes) unless sick to the stomach. Cool the person's body by fanning and spraying with a cool mist of water or applying a wet cloth to the person's skin
- ❖ Call for emergency help if the person does not feel better in a few minutes
- ❖ Place ice packs under the armpits and groin area

Prevention is better than cure. Protect yourself against heat exhaustion or stroke by

- ❖ Performing the heaviest work during the coolest part of the day
- ❖ Drink plenty of cool water, about a cup every 15 to 20 minutes
- ❖ Wear light, loose-fitting, breathable clothing, such as cotton
- ❖ Take frequent, short breaks in cool, shaded areas to allow the body to cool down
- ❖ Avoid eating large meals before working in hot environment
- ❖ Avoid alcohol or beverages with caffeine. These make the body lose water and increase the risk for heat illnesses

CJ Daniel
Hyderabad

Safety a Selling Tool!

On 8th March Kondapally Plant Team approached its neighboring industry M/s Fortune Castings with a request for conducting a safety program for their staff as they were using LPG cylinders of some other Company. This Safety initiative was undertaken even though M/s Fortune Castings were not Super Gas customers. Mr. J. Satyavardhanh, Managing partner, Fortune Casting conceded to our request and training was given on "LPG Cylinders, Manifold and proper usage of Fire Extinguishers" to their staff. Mr. Suresh and Mr. Satyavardhanh Managing Partners, Fortune castings were thereafter invited to our Plant for witnessing the internal mock drill and closing ceremony of the safety week on 11.03.06. They were so impressed with the safety arrangements, response and awareness that they have since become customer of Super Gas

Thank you M/s Fortune Castings for the opportunity !

Ramlingshwar Rao
Kondapally



E-Safety - Online shopping

There seems to be virtually no limit to what you can do over it, buy stuff, pay your bills, check our bank statements, transfer money, trade in shares...Online transactions involve some risks, even though Internet security technologies have greatly improved over the years. The risks include credit card fraud, online banking and shopping fraud. Some ways of being vigilant and cautious for minimizing the risks of shopping or banking online are as below:

- a. Reputation of the online seller: Buy only from reputed shopping sites after checking a seller's rating and the reviews he has received from other buyers
- b. Buy only from secure sites that encrypt or scramble your personal information before sending it and prevent unscrupulous persons from accessing it:
 - Common mode of online payment is the credit card. Avoid using your debit card or your online banking account to make payments because such payments are irreversible
 - Pay through your credit card only on a secure site. A secure site starts with 'https://' (with an additional 's', instead of the usual 'http://')
- c. Use an Internet-specific credit card: If you still feel unconfident, keep a separate credit card for online use with specified transaction limits. Some banks through their netsafe service, allow you to create temporary credit

card numbers with your existing card with a transaction limit of your choice

d. Protect your password:

- Don't use a password that is predictable. Use alphanumeric or a mix of lower and upper case characters
- Do not write down the password and customer ID and PIN numbers in the case of Internet banking anywhere. Don't, in any case, keep them in your wallet with your ATM card!
- Do not use the 'Remember my password' option, while you are surfing

e. Use separate email IDs: Most online activities, such as shopping or subscribing to newsletters, will require you to provide an e-mail ID. Don't ever use your primary e-mail account for these activities. Create a separate e-mail ID

f. Be wary of shared computers: Avoid cyber-cafes for online shopping or banking as there are software that can log your activities such as keystrokes or through a hidden camera and crack your online accounts. If you are using a shared computer, always log out before you shut the browser

Wishing you all a crisis free and safe online experience ahead...

Anil Nair
Hyderabad

Mock Drill at Customer Premises

Mock Drill is the process of checking the effectiveness of the "On-Site Emergency Plan". The main objective is to prepare customer's personnel on handling of crisis or emergency situations which may arise in and around the LPG Installation. Implementation of an effective Mock Drill Procedure should be done in a phased manner as follows:

- Training on product handling, operation and fire fighting
- Understanding the probable causes for an emergency
- Earmarking customer's personnel for handling emergency
- Formation of the Fire Order and explaining Roles and Responsibilities to each person under the Fire Order

Once a Mock Drill is conducted, detailed analysis of the same needs to be discussed with the people in the Fire Order. A video graphic presentation of the conducted mock drill is very useful. It helps in people involved in the mock drill to understand as to where they had gone wrong

We have taken on the arduous task of conducting Mock drill at all LPG Installations of our customers in a phased manner. A Mock Drill was conducted at Tayo Rolls Ltd., Jamshedpur sometime end of last year. The drill was well appreciated by the customer and was covered in detail in their News Letter

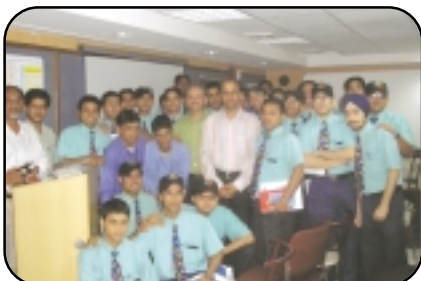
Hirak Roy
Kolkatta

"Good Times Great Pizzas" and Safety

Super Gas organized a safety workshop for personnel of "Pizza Hut" on 6th and 7th March-06 in New Delhi. The workshop was attended by over 35 participants including operators and managers from various outlets in and around Delhi. The workshop covered safe handling of LPG, correct operating/maintenance practices and was supported with cut sections of various components of cylinders and fire extinguishers for better visualization and live demonstration

The program was appreciated by all present and Chief Engineer Mr. Sarbjit Singh, who put in lot of efforts in organizing the safety workshop. The feed back from one and all was to increase the periodicity of such workshops to strengthen the awareness of safety amongst its team members

Niraj Vadgama
Delhi



Safety clinic at McDonald's!

Safety Program at ITI- Amreli

As a part of safety week celebration, Babra Filling Plant organized safety training program at ITI- Amreli. Basic aim of this program was to create safety awareness in students on safe handling of LPG

Almost 300 students and staff attended the Program. The Principal Mr. B.I Raval appreciated efforts of Super Gas for arranging such kind of safety programs. He requested all staff present to acquire in - depth knowledge on LPG safety so that same could be passed on to other students as well, year on year

The event was well covered in the local press and exclusive photographs the safety week in ITI- Amreli with Super Gas were published

Paresh Bhavsar
Babra



Safety clinic at Amreli ITI

Families Safety Day at Bavla Filling Plant



Families safety day at Bavla FP

Super Gas families get - together during the safety week celebration at Bavla plant was a great experience for me and my family

This was their first visit to an LPG bottling Plant and they went back home totally reassured about my safety They also learnt a few new things especially about safe handling of LPG cylinder at home. The Mock drill was something unique for all families and during the day it was a good time to know each other's family in better way. I wish to thank the management for the wonderful opportunity given to our families

Rajesh Thakker
Bavla

Safety Essay and Painting Competition

Sarigam Filling Plant conducted a Safety Painting and Essay writing competition on 6th March at Swamynarayan High School Bhilad for students between 4th to 10th Standards

The school management was very enthusiastic about our initiative and over 150 and 35 students participated in the Painting and Essay competitions. It was a delightful experience to see the creativity shown by the students. The school management thanked and appreciated Super Gas's initiative on creating Safety awareness through such activities

The winners were felicitated at the Plant and prizes were handed over by Mr. Bhutka and Mr. Kothiya, Deputy and Assistant Directors of Industrial Health & Safety

Aniruddha Gohil
Sarigam

Mock Drill at Pune Filling Plant

Pune plant carried an On Site Mock drill during the Safety Week in coordination with all its Mutual aid partners including IOCL, BPCL & HPCL. Plant Manager and Safety officers were present for the drill along with representatives of local civil hospital, Police and PCMC fire brigade team

The performance of the Plant team was good as it started fire fighting operation in affected area within a response time of 29 seconds. The PCMC fire tender and Ambulance services were also quick to respond and one fire tender and an ambulance reached the plant within six and thirteen minutes respectively

An opportunity was taken to jointly fight a mock fire with PCMC fire brigade team as also a practical demonstration on first aid training on handling injured persons

Mutual aid members rated the mock drill excellent in terms of individual job clarity and communication amongst the team

"Be a First Aider not a spectator"

Suresh Joshi
Pune

Mock Fire Drill at Hyderabad Office



Mock drill at Hyderabad office

An emergency evacuation drill was conducted at Hyderabad Office on 4th March, National Safety Day. The evacuation procedure was circulated in advance and one block representative each was appointed and made responsible for each of the four blocks in the office.

All employees were pre-informed about the drill and which of the two exits provided in the building, they should take in an emergency. As the drill was a planned one, the evacuation happened in a very smooth manner.

A Fire Fighting Experience!



Fire extinguisher operation at Delhi

On 4th March 2006, we celebrated National Safety Week and as part of this celebration we had a small training program, coordinated by Mr. Niraj Vadgama – BDM Technical-North Region. We also had a chance to discuss about the hazards and learn about the usage of various fire fighting equipments

Overall, it was an interesting & interactive session, in which we had a chance to get inputs from all the members from senior management and colleagues, as an end user. Everyone was exchanging ideas, their experiences about safety and last but not the least, we also talked about small but important tips & tricks to save LPG at home

At the end of the session, we went to the backyard of the office, and simulated a fire situation. Fortunately unfortunately, I was nominated to extinguish the fire. After initial hesitation and with support of the entire team and colleagues, I managed fight the fire and extinguish it

It was a great opportunity and wonderful learning experience for me to be part of such a program. I would like to conclude that we cannot deny the importance of LPG in our day to day lives and hence its basic knowledge is of utmost importance

Navita Agarwal
Delhi

Annual Safety day at Uluberia Filling Plant



Safety skit performance at Uluberia FP

Uluberia Filling Plant celebrated the Annual Safety Day on 04th March 2006. Safety clinics were organized in a big way for packed and bulk transportation crew, Distributors, customers etc. A quiz program was also conducted for plant staff, operators and security guards and live demonstration on use of safety personal protective equipment was given

Officer in-charge West Bengal Fire Services, Howrah Mr. Gautam Mukherjee was the Chief Guest for the program, which was attended by our mutual aid members, nearby dealers of Super Gas and many customers and transport crew

Our Vice President Mr. Shreekanta Parida welcomed all present and apprised them on the Regional safety policies of Super Gas

Mr. Gautam Mukherjee shared some of his experiences and suggested many good practices and emphasised upon the importance of maintenance at Plant. A dramatic depiction on safety awareness was also organized and prizes were given by Mr. Gautam Mukherjee to the winners. Finally the program was concluded with an impressive Mock Fire Drill by Plant team

Ranjan Majee
Uluberia

There were many learning's though, including some employees waiting to switch off their computers before exiting the building. A surprise Mock Drill is now planned without any notice!

The Mock Drill was followed by a practical demonstration on operation of a Fire Extinguisher by Myanam Ramesh

CJ Daniel
Hyderabad



Safety Clinic to Police Dept. at Vizag FP

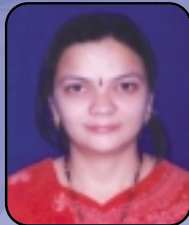
Customer Speak



We are pleased to note the concerted efforts put in by your team in promoting safety in our plant and training our people about weighing machine calibration and its proper usage to avoid errors, proper utilization

of cylinder manifold. We take this opportunity to thank your team for the efforts put for safety awareness, proper handling of cylinder manifolds and weighing machine

S.P.Y. Reddy
Chairman
Hyderabad Pipe Industries



My first experience of witnessing Mock Drill at Bavla Filling Plant was a thrilling one! It was unbelievable teamwork with all activities being done with clockwork precision.

The adage "Practice makes perfect" seems to be order of the day at our plants. Congratulations to Bavla Team for such a great performance! The Safety day also provided us with a platform for interacting with other people working in our Plants alongwith their families

Bhoomi Mehta
W/o. Amish Mehta
Ahmedabad



"My husband is working with Super Gas for more than 8 years. Before visiting the plant this Safety Week, I was always worried about my husband's safety, as he is working in a LPG plant.

After seeing the impressive fire drill demonstration & safety systems at the plant, I am now assured about his safety. Thank you Super Gas for the plant visit".

Nita Chauhan
W/o. Pratap Chauhan
Bavla



We thank M/s SHV Energy Private Limited for conducting the safety program in our factory premises and we appreciate the commitment of SHV on safety and their efforts in spreading safety awareness to their

neighboring industries by conducting safety training and other programs as well.

We personally witnessed the Mock Drill conducted by your bottling plant and found a lot lot of interest, enthusiasm, energy and safety spirit in all your plant personnel. We would like to join hands with SHV by awarding the industrial cylinders offer and to have long term relationship with SHV

Satyavardhan
M/s. Fortune Castings.



We thank M/s SHV Energy Private Limited for training our staff in safety requirement and minimum safety to be followed when using LPG cylinders.

We personally have viewed the internal mock drill conducted at your plant and were impressed with the same.

We appreciate the commitment of SHV towards safety and we would like to continue our long term relationship with SHV

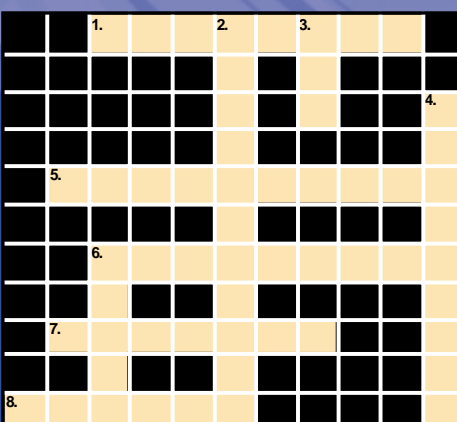
Govinda Rajulu
M/s. Godrej Agrovet Ltd.

Programme on emergency preparedness followed by mock drill & first-Aid Training

As a consequence to the Company's objective of implementing ISO 14001 : 2004 and OHSAS 18001 at TAYO, for the first time a program on Emergency Preparedness followed by Mock Drill & First-Aid training was conducted with the guidance of Mr. P.G.Manoj, Engineer (Technical Service) of Super Gas and Dr. S.N. Mall, Consultant, Tisco Adityapur Complex on 22nd April, 2005. In this training program as many as ninety nine representative group of employees and trainees belonging to different departments actively participated who were exposed to on-the-site theoretical as well as practical training in the Super Gas installation area. The training was also provided to twenty one Security and two Medical personnel at the works.

Excerpt from TAYO News letter

Fire Safety Crossword



ACROSS

- 01 What senses smoke and warns you to get out?
- 05 Avoid _____ during Emergency
- 06 Device that provides cooling effect to bullet during fire?
- 07 What is the second leading cause of fires on campus?
- 08 How often should you test your smoke detectors?

DOWN

- 02 What is involved in a Class 'C' fire?
- 03 How many ways out of a building should you know?
- 04 What must be disposed of properly and carefully to avoid starting a fire?
- 06 What kills people the most in fires?

Answers:

Down: 2. Electricity 3. Two 4. Cigarette 6. Smoke
Across: 1. Detector 5. Risk taking 6. Sprinkler 7. Cooking 8. Weekly

This in-house newsletter is issued by :

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Printed by: ramdigi.com Ph: 040-23751484