



Sui Northern Gas Pipelines Limited

sng

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Editorial Board

Editorial Board

Patron-in-Chief
M. Arif Hameed

Chief Co-ordinator
Uzma Adil Khan

E Team
Media Affairs Department

“Gas: Sustaining Future Global Growth”



The Managing Director, Mr. M. Arif Hameed, represented SNGPL at the 25th World Gas Conference (WGC) & Exhibition held in Kuala Lumpur, Malaysia, from June 4-8, 2012. The objective of SNGPL's participation in the WGC-Exhibition was to assess solutions available for Pakistan's on-going gas shortages.

CONTENTS

- "Gas: Sustaining Future Global Growth"
25th World Gas Conference-Malaysia 03
- Editorial Page 04
- Company welcomes newly inducted executives 05
- State of the Company 06
- Interaction 07
- Narowal Inauguration 08
- APCNGA meets with the Senior Management of SNGPL 09
- SNGPL Earns Rs. 1 Billion in Profit
- An Alternate Fuel 10
- Sneoa Dinner 11
- SNGPL-Uphill Tasks 12
- Retirements 14
- Share Watch
- Improving the Cathodic Protection Level of
Natural Gas Distribution System 15
- 5 Benefits of Watermelon on Weight Loss 17
- 6th CSR National Excellence Award 2011 By M/s Help
International Welfare Trust (HIWT), Karachi
- 8th Surveillance Audit by M/s URS (Certifying Body) 18
- Why Managing HSC is important in industry? 19

“Gas: Sustaining Future Global Growth” 25th World Gas Conference-Malaysia

Ali Raza Awan (Media Affairs Expert)



(From R to L) Mr. Arif Hameed, Managing Director, Sui Northern Gas Pipelines Ltd, Mr. M. Kaleem, Individual Member PIP, Mr. Asim Murtaza Khan, Managing Director, Pakistan Petroleum Ltd and Mr. Saleem Piracha, CEO Petroleum Institute of Pakistan (PIP)



The theme of the conference was "Gas: Sustaining Future Global Growth". The objective of the Conference was to drive awareness on hot topics such as 'sustainability' and 'efficiencies in natural gas', to offer the most influential delegations a chance to discuss and participate in industry developments, help to mould the future of Natural Gas business and to serve as a catalyst to shift the way the industry is perceived. The topics like "Impact of Geopolitics on Natural Gas Market Development" and "Unconventional Gas: a Game Changer or a Global Bubble?", were discussed in addition to sessions on unaccounted for gas and smart

metering.

Mr. M Arif Hameed, MD SNGPL, met with the International Gas Union (IGU) presidency during WGC to discuss IGU support in getting successful gas policy models from other countries and to share information on sustainable energy models of different countries identified as potential role models for Pakistan's gas sector, which could be used as reference points in the policy making for Pakistan to overcome on-going gas shortages.

Time to act and go Green:



World Environment Day is commemorated each year on 5th June worldwide to build awareness amongst the masses. It is a day to focus thoughts and our energies for collective efforts to protect the environment and to keep the world clean and green. Various issues discussed on this day are poverty reduction, population growth, economic development, protection of environment, fair use of resources, reduction of pollution, planning for future, etc. WED is a reminder to show our gratefulness towards Nature, which sustains all forms of life. This year on the World Environment Day (WED), let's come together and stimulate worldwide awareness towards the environmental issues.

So dear readers, think twice before throwing a pebble as the ripple created will affect one and all.
It Is the Time to Use less and Act more!



“World Blood Donor’s Day”

Umar Saadat

Hundreds of lives are saved through blood transfusion each day. In many countries people die due to scarcity of blood supply in hospitals and medical centres. Majority of People do not consider it a serious issue and they do not give blood for many reasons. It is due to lack of both, responsibility and awareness. There are many Hospitals and Medical Centres in Pakistan which are working hard to get the masses aware of “Importance of blood donation”. People around the globe celebrate World Blood Donors day on June 14, 2012, by arranging blood camps and creating awareness sessions in community centres, schools, colleges, homes and factories through diverse means/ different interactive activities. There is no substitute for human blood.

An adult person’s body contains 4 to 6 liters of blood of which they donate 350 ml to 450 ml depending on the size and weight of the donor. One unit of blood taken out can be covered by our body in 24 hours, likewise hemoglobin and cell components are covered in 2 months. Hence it is harmless and sound to donate blood every three months. It is the obligation of everyone to save an important life.

It is the best gift one can give to someone.

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Company welcomes newly inducted executives

Ali Raza Awan (Media Affairs Expert)

The newly inducted executives in the Company were addressed by the Managing Director. He advised them to work with commitment, enthusiasm and dedication, and put forth their best not only in the growth of SNGPL but the country as a whole. He stated that SNGPL is one of the leading Companies of Pakistan and it is a great pride to be working for it. The Company cultivates its human resources and offers them conducive working environment. The new executives were motivated to put in their best efforts on the principle of integrity, ethics and sound values.



“State of the Company”

An Interactive session with Mr. M. Azam Khan, Ex-DMD, SNGPL

SHAHID MAQSUD Chief Officer (Training)



SNGTI, as part of its Distinguished Guest Speakers series requested Mr. M Azam Khan Ex-DMD to share his experiences & deliver a talk to the Senior Management / Executives of the Company.

The talk was held on 6th June 2012 in the Board Room at Head Office wherein the honorable guest divulged in detail on the "State of the Company". During the interactive session the contributions by the Company to the Economy in terms of GDP, issues being faced by the Company & options available to overcome them were discussed. Mr. Amer Tufail, DMD services thanked the distinguished guest for his enlightening lecture & reiterated Management's resolve to work with devotion, dedication and zeal for achievement of the Corporate Goals especially those set for eradication of UFG menace.



Interaction

Ali Raza Awan (Media Affairs Expert)

The Managing director, SNGPL gives regular briefing to the media personnel on various issues in the gas sector and the company. Members of the National and Provincial assemblies, ministers, chairmen of different committees and media personnel regularly visit SNGPL and the MD office to discuss various issues of different constituencies and the solution.



Federal Minister for National regulation and Service, Dr. Firdous Ashiq Awan visits SNGPL and meets the Managing Director to discuss gas issues.



Managing Director briefs the Federal Minister for Information & Technology, Mr. Qamar Zaman Kaira on gas issues.



Mr. Farrukh Baseer interviews Managing Director SNGPL for Daily Nawa-i-Waqt.



Ms. Sania Khan, Brand & Corporate Manager, WWF-Pakistan presents the final report of the Gas Conservancy Awareness Campaign launched in collaboration with SNGPL to the Senior Management.



Mr. M. Arif Hameed, Managing Director SNGPL with Media Team of Bloomberg, American Business Chanel.



Chairman Public Accounts Committee, Mr. Nadeem Afzal Chan visits SNGPL and meets the Managing director, SNGPL to discuss the gas issues.



Narowal Inauguration

Ali Raza Awan (Media Affairs Expert)

Ex-Prime Minister Syed Yousaf Raza Gillani inaugurated the gas supply to Narowal, Shakargarh and Zafarwal (NA-115, 116 & 117) on Saturday, May 26, 2012. The former Prime Minister while addressing the gathering at the occasion said that the Government would make all the efforts to bring in the continuity in pursuing the vision of Shaheed Mohtarma Benazir Bhutto in providing the basic amenities to the people of Pakistan. Mr. Qamar Zaman Kaira, Federal Information Minister, Firdous Ashiq Awan, Federal Minister of National Regulations & Service, , Sardar Muhammad Latif Khosa, Governor Punjab, Mr. Nazar Muhammad Gondal, Minister for Capital Administration & Development, Farzana Raja, Chairperson of Benazir Income Support Program, Ch. Ahmad Mukhtar, Minister for Water & Power were also present at the occasion.

Dr. Asim Hussain, Minister of Petroleum and Natural Resources, Mian Misbah-ur-Rehman, Chairman SNGPL, Mr. M. Arif Hameed, MD, SNGPL, Senior Management, Concerned Departmental Heads and workers were present at the ceremony to welcome the Honourable Ex-Prime Minister and his entourage. Former Prime Minister Syed Yousaf Raza Gilani inaugurated the project by unveiling the plaque. Managing Director, SNGPL explained the details of the project by means of a chart.

The details of the projects are as follows:

PRIME MINISTER VISIT TO NAROWAL PROJECT FOR PROVISION OF GAS TO NAROWAL, SHAKARGARH, ZAFARWAL (NA-115,116 & 117)

Total cost of project	=	Rs. 1265 million
Cost Within Criteria	=	Rs. 912 million
Cost Above Criteria	=	Rs. 353 million
Population to benefit	=	Approx. 180,000

Scope of work

Transmission Line (8" Ø) (Pasroor-Dhamtal-Narowal)	=	40 Km
Supply Main s (8" & 10" Ø)	=	45 Km
Distribution Network	=	331 Km
Progress		
Transmission Line	=	40 Km (100% Completed and Commissioned)
Supply Mains	=	45 Km (100% Completed and Commissioned)

Commissioned Supply Mains

- 1- 8" Ø × 10 Km Supply Main from Dhamtal to Zafarwal.
- 2- 8" Ø × 7.4 Km Supply Main for Narowal City.
- 3- 10" Ø × 27.50 Km High Pressure Supply Main from Dhamtal to Shakargarh.

Distribution Network = 39 Km (12% Complete)

Breakup of Laid Distribution Network

Shakargarh	28 Km
Narowal	6 Km
Zafarwal	5 Km

STATUS

Transmission Line and Supply Mains have been laid and commissioned. Laying/commissioning of Distribution Network is in progress in all three towns.



APCNGA meets with the Senior Management of SNGPL

Ali Raza Awan (Media Affairs Expert)

All Pakistan CNG Association had a meeting with the Managing Director, Mr. M. Arif Hameed and senior management of SNGPL on Monday June 18, 2012, at SNGPL Head Office. Issues pertaining to Low gas pressure, gas theft, meter tempering, billing and usage of gas generators were discussed. It was decided in the meeting to work together to resolve the issues and to address the concerns of CNG sector. Another meeting will be held to discuss the first draft of the policy road map to resolve these issues.

Chairman All Pakistan CNG Association Supreme Council, Mr. Ghias Paracha, Capt. Rtd. Shujaa Malik and other office bearers of APCNGA were present at the meeting.

SNGPL Earns Rs.1 Billion in Profit

Ali Raza Awan (Media Affairs Expert)

SNGPL has earned over Rs.1billion in profits as compared to Rs.475 million in the corresponding period of last year. A "slight" increase has been noted in unaccounted for gas (UFG) losses of SNGPL during the third quarter (Jan 1st to March 31st) of year 2012.

As a result of the increased earnings, the earnings per share of the company have been increased to Rs.1.76 as against Rs.0.72 in the same period last year. The gas sales of the company, in form of the volume, during the period were 444,908 MMCF as against 440,145 MMCF during the same period last year. The sales in terms of rupees have increased from Rs.140,391 million to Rs.156,505 million. On a quarterly basis the company has earned an after tax profit of Rs.366 million translating into earnings per share of 0.64. The overall increase in profit and subsequent increase in earnings per share is the reflection of determined efforts of the Company management and staff members who put in their best endeavors.



LPG - Air Mix or SNG (Synthetic Natural Gas) An Alternate Fuel

Mr. Zahid Hussain GM (Billing)

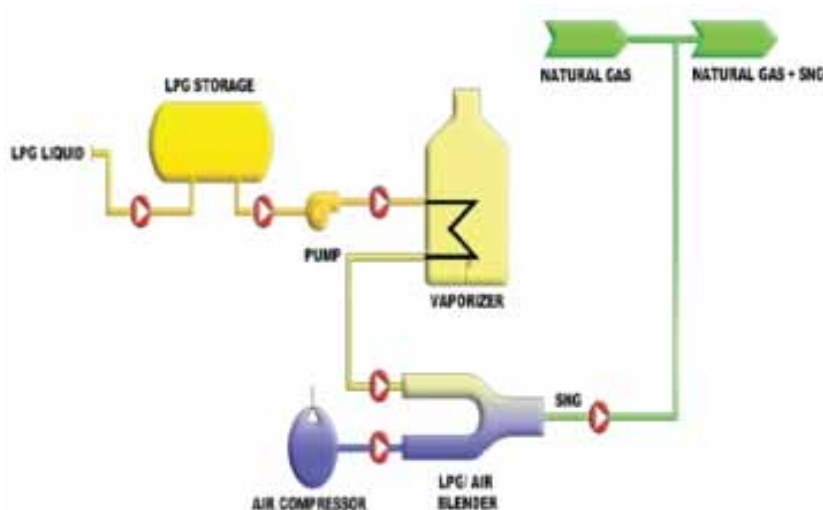
Liquefied petroleum gas is also called as LPG, LP Gas or liquid petroleum gas. Synthetic Natural Gas (SNG) is a term that describes a variety of “manufactured gases”. Blend of Liquefied Petroleum Gas (LPG) and air is also termed as SNG that provides a direct replacement for natural gas.

LPG is composed primarily of propane (C_3H_8) and butane (C_4H_{10}), while natural gas is primarily composed of the lighter constituents methane (CH_4) and ethane (C_2H_6) in majority. LPG in vapor form at atmospheric pressure, has a higher calorific value (94 MJ/m^3 equivalent to 26.1 kWh/m^3) than natural gas (methane) (38 MJ/m^3 equivalent to 10.6 kWh/m^3), which means that LPG cannot simply be substituted for natural gas. In order to allow the use of the same burner controls and to provide for similar combustion characteristics, LPG is mixed with air to produce a synthetic natural gas (SNG) that can be easily substituted. LPG/air mixing ratios average 60/40, though this is widely variable based on the constituents making up the LPG. The method for determining the mixing ratios is by calculating the Wobbe Index (WI) of the mix. Gases having the same Wobbe index are held to be interchangeable. Wobbe Index is generally defined as “energy flow” and is calculated as the ratio of the calorific value to the square root of the specific gravity relative to air (i.e. SG air = 1) for a particular gas or mixture. No orifice changes, pressure changes or any other changes are required to the natural gas consuming equipment. SNG is a direct replacement for natural gas (NG).

A significant number of utility SNG systems have been installed around the world. SNG is typically utilized in one of three ways:

- Peak Shaving Systems: Allows utility companies and industrial gas consumers to supplement their natural gas requirement during peak demand periods
- Base-Load Systems: Provide a “natural gas equivalent” bridge fuel in areas where natural gas is planned but is not yet available. After the arrival of natural gas the SNG system is utilized for peak shaving function
- Backup Systems: Allows industrial natural gas customers to use SNG during curtailment periods

Liquid LPG is stored in tanks under pressure. The amount of storage required is determined based on the output capacity of the proposed SNG facility, the projected hourly usage and the logistical ability to replenish the LPG. LPG is transferred from the tank by a pump to an LPG vaporizer. As the LPG liquid passes through the vaporizer, it is heated to the vapor phase. The vaporizer also provides adequate super-heat to prevent re-condensation. The super-heated LPG vapor is then blended with air supplied from an air compressor to a specific ratio creating the SNG. The system's flow control system then allows injection of the SNG into the gas distribution grid as required.



Interestingly, Pakistan has a mature history of using LPG based SNG systems. Pakistan's first base load SNG system was installed and commissioned by Indus Gas Company Limited in 1974. The system served Quetta City, the capital of Baluchistan through distribution pipeline grid till the arrival of natural gas in mid 80s. The system supplied a maximum volume of SNG equivalent to 10 MMCFD of natural gas during winter.

Sneoa Dinner

Shahid Maqsood Chief Officer (Training)

A function was arranged by Sui Northern Executive Officers Association at Multan for Executives & their families on 28th April, 2012. A number of our retired Executives also attended the graceful function. General Secretary SNEOA welcomed all the guests and presented a report highlighting the efforts made towards achievement of the collective benefits of the Executives.

Senior General Manager (HR), who was the chief guest on the occasion, while appreciating the efforts made by SNEOA divulged Management's resolve towards achievement of the Corporate Goals. He impressed on all the executives to devote all their efforts, energies towards achievements / realization of their assigned duties especially to eradicate the menace of Unaccounted For Gas.

All guests admired the arrangements, colorful activities and food arrangements. A music program was arranged where singers and stage artists performed. A Magic show was also arranged for entertainment of children accompanying their parents. Gifts were distributed amongst all the ladies present and lucky executives selected through draw.



SNGPL-Uphill Tasks

M. Nasir Awan Admin Officer (Projects)

Rock Climbing has been introduced in Pakistan in recent years. It is one of the most challenging sports both in outdoor and indoor artificial walls all over the world. International Federation of Rock Climbing (IFSC) is based at Bern Switzerland, is the governing body including two separate chapters for Europe and Asia. Due to its International recognition and popularity Sports Climbing has been included for Olympics sport events in 2020.

SNGPL-1st Punjab National Sport Climbing Championship was conducted for two days from 31st March to 1st April, 2012 at DHA-EME "Climbing Arena" Lahore. The said Championship was organized in collaboration with Alpine Club of Pakistan, which is National Federation of Adventure Sports having sole authorization from International Federation of Sport Climbing. Alpine Federation also provided free accommodation to players coming from other districts along with Jury; technical officials from Islamabad and different technical gear for the Championship. They supported us to conduct the Championship as per international rules and regulations of IFSC. Climbers from various Provincial Associations, Organizations and Clubs all over Punjab participated in the championship.

SNGPL's Team participated in two events of the male categories. The following three members represented SNGPL in the Championship:

- | | | | |
|----|------------------|--------------------|-----------------------------------|
| 1. | Mr. Yaseen Ali | 16+ Lead & Speed | 1st Position (Champion of Punjab) |
| 2. | Mr. Faisal Atiq | 16+ Speed Category | 1st Position |
| 3. | Mr. Abu Abdullah | 16+ Speed Category | 4th Position |



SNGPL's team performance was very well appreciated by media, other organizations and the National Federation. Mr. Abdul Haseeb, Sr. General Manager (Projects) was the Chief Guest in the award ceremony. Mr. M Umair Khan GM (L.S), Brig. Zahid Mahmood Project Director DHA-EME participated as guests of honor. The category wise breakup of winners of Championship is as under

Category:	Name:	Speed Time:
Boys Up to 12	Zoraiz Nasir	20.09 seconds 30 feet Climb Wall
	Daniyal Asim	27.16
	Abdullah Khan	27.63
Girls up to 12	Amani Janat	27.00
	Amna Ramzan	27.81
	Sakeena Zahra	30.09
Girls Open Competition	Amreha Masooma Haq	42.85 seconds 40 feet Climb Wall
	Iqra Jilani	46.65
	Wishal Naveed	58.22
Boys Beginners	Tahir Ahmad Sindhu	25.34 second 40 feet Speed Climb
	Abrar Hassan	30.00
	Muhammad Irfan	31.29
Boys Open Competition	Faisal Atiq (SNGPL)	17.25 second 50 feet Speed Climb
	Zeeshan Butt	22.00
	Faisal Mehmmod	26.06

Mr. Yaseen Ali representing SNGPL was declared over all Punjab Champion in Speed Climb (50 feet in 16.5 seconds) and in Lead Climb he scored 565 points during the competition on Climbing Wall. It is also pertinent to mention that Mr. Yaseen Ali is also winner of Pakistan National Championship title and this is his 4th consecutive victory in last four championships.

At the end winners were awarded Shields, Gifts and participation certificates by Mr. Abdul Haseeb, Sr. General Manager (Projects). Mr. Haseeb highly appreciated the performance of "SNGPL Team" and assured SNGPL's continuous patronage of such healthy, challenging and promising Sports in future.



Retirements



Mr. Asif Qureshi, Supd. Account, on his farewell bid



Mr. Zahid Saeed, GM-(HR) with Senior Management



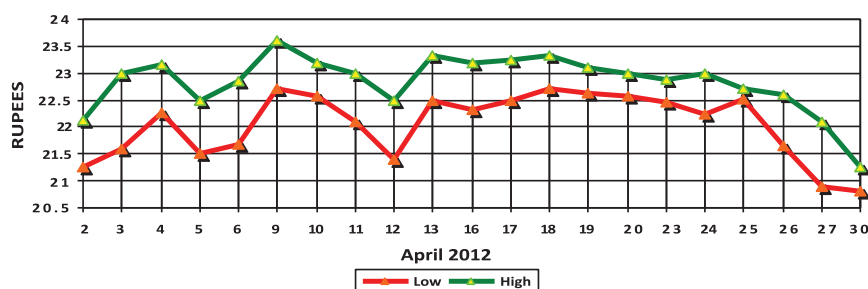
Mr. M. Ishaq, Supd. Account and Mr. Karamat Hussain, Accountant, after receiving the farewell bid



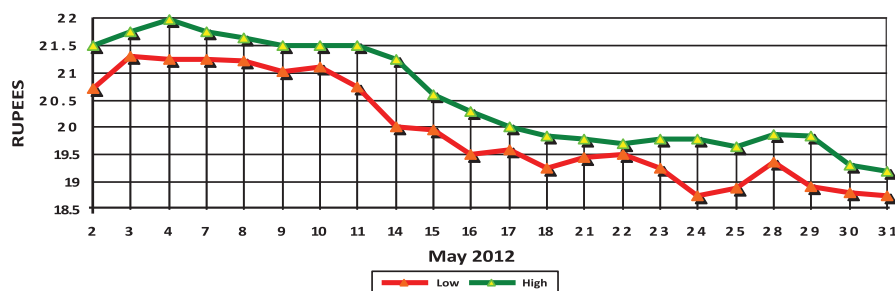
Glimpses of last day of Mr. Zahid Saeed, GM (HR) at SNGPL

SNGPL Share Price Watch April-May 2012

Period	Rate / Rs			
	Opening	Closing	High	Low
1st WEEK	21.07	22.58	23.15	21.25
2nd WEEK	22.58	22.76	23.60	21.39
3rd WEEK	22.76	22.57	23.33	22.32
4th & 5th WEEK	22.57	20.90	22.99	20.80



Period	Rate / Rs			
	Opening	Closing	High	Low
1st WEEK	20.90	20.95	21.98	20.70
2nd WEEK	20.95	19.49	21.25	19.25
3rd WEEK	19.49	19.37	19.80	18.75
4th & 5th WEEK	19.37	19.04	19.87	18.75



A natural gas distribution network is very complex. It consists of supply mains, distribution mains, laterals of different diameter pipes, and service lines. In addition, there are underground and overhead valves, town border stations (TBS), and distribution regulator stations (DRS). A typical distribution network shares common corridors with other utilities such as water and sewer lines, telephone cables, etc. A very carefully constructed pipeline may not remain in good condition because of third-party damage and other causes.

Data Collection

Corrosion control of an underground natural gas network is dependent on the isolation available between the pipeline and the environment. A good coating provides a barrier against corrosion attack, but cathodic protection (CP) is also necessary to prevent corrosion at coating holidays. In addition, electrical isolation to control CP current wastage is an important factor.

To determine the causes of a reduced CP level in a distribution network, a detailed survey was carried out in an isolated area, which is protected by a single impressed current CP system. The physical and electrical status of each service line, mainline valve, and TBS was checked. Table 1 shows the collected data.

Data analysis indicated that the bare buried service valves, poorly coated service lines, and mud-filled valve pits were the main causes of low CP level in the area (Figures 1 and 2).

Remedial Action Taken

A proactive maintenance plan was prepared to improve the CP level, and the following actions were taken:

- Cleaning and maintenance of four underground valve pits



CASE HISTORY

Improving the Cathodic Protection Level of a Natural Gas Distribution System

A.J. Khan, Sui Northern Gas Pipelines, Ltd., Multan, Pakistan

Part of a gas distribution network had a cathodic protection level of only 44%. Cleaning valve pits, recoating poorly coated risers, moving service valves aboveground, and lowering the rectifier negative circuit resistance brought the protection level to 85%. Recommendations for proper corrosion control for future construction are made.

Improving the Cathodic Protection Level of a Natural Gas Distribution System

CATHODIC PROTECTION

TABLE 1

CP data collected			
Survey No.	Description	Quantity	Status
1	TBS	Three	Not isolated
2	Valve pits	Four	Filled with mud, valves corroded
3	DRS	Two	
4	CP status Total service lines Protected service lines Unprotected service lines	714 313 401	44% protected -0.85 mV criterion vs. copper/copper sulfate (Cu/CuSO ₄) reference electrode
5	Service lines with poor coating	122	
6	Service valves buried	71	
7	Physical coating inspection of 4-in diameter pipeline	Two	Coating poor, minor rust observed

- Moving 71 buried service valves to aboveground locations
- Cleaning and recoating 122 service lines with poor coating
- Bonding the 4-in (102-mm) diameter pipeline where the CP rectifier is located to a 2-in (51-mm) diameter pipeline at two locations to provide a lower resistance path for current drain

As a result of the above activities, the CP level rose to 85% as compared to the original level of 44%. Figure 3 and Table 2 show the comparative status before and after the remedial action.

Conclusions

The CP level of a distribution network can be improved by the following measures:

Stringent Training of Construction Staff

Training should be imparted to the construction staff that focuses on the factors affecting CP systems, such as compatible coating on service tees, good coating of service line risers, and aboveground installation of service valves.

Improvement in Quality Assurance and Site Inspections

The site inspections during the construction phase should effectively implement the standard operating procedures for the job.

Improvement in Materials

The pipe and coating materials for service lines and other piping should be improved for better corrosion resistance.

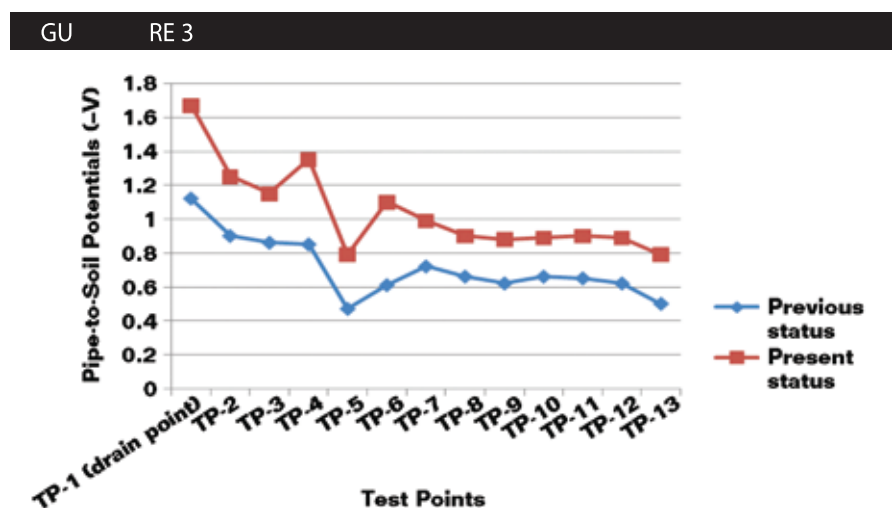
Maintenance Strategy to be Proactive

A proactive maintenance strategy should be established that includes scheduled maintenance of underground mainline valves, raising buried service valves above grade, and coating repairs of service line riser pipes.



Service line with poor coating.

Buried service valve.



Pipe-to-soil potential before and after remedial action ("on" data).

CATHODIC PROTECTION

TABLE 2		
Conditions before and after remedial action		
Measurement	Previous Status	Present Status
Transformer/rectifier output	32.8 A/46 V	34 A/45 V
Drain point potential	1.60/0.98 V	1.67/1.00 V
CP level	44%	85%

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MP Buyers Guide Online

Visit the 2012 MP Buyers Guide Online, www.mpbuyersguide.com, for instant access to thousands of companies and consultants providing the latest in corrosion control products and services. If your company is not yet included, you can add and then edit your listing at any time throughout the year.

5 Benefits of Watermelon on Weight Loss

◆ **Watermelon** is an excellent addition to a weight loss plan, particularly in summer when it is plentiful and fresh. Some diets can go to extremes and use watermelon as the sole replacement for a healthy eating plan with a variety of foods. This is not a healthy long term strategy for weight loss, and will almost certainly result in a rebound weight gain or even in malnutrition. However, the underlying principle of using watermelon as a weight loss aid has value when done in moderation. Here are some of the benefits of eating this sweet summer treat.

◆ **Watermelon is Low in Calories**

The main benefit of watermelon to weight loss is that it is low in calories. It is made up of around 92% water and is very filling. Watermelon also contains some healthy nutrients such as vitamin C and lycopene, but is only 30 calories per 100 grams. It is sweet and delicious, so it can be used as a satisfying replacement for high calorie snacks or desserts. Keep a few slices in the fridge for when a craving hits.

◆ **Watermelon is Versatile**

While watermelon is usually only eaten fresh and raw in slices, it can be prepared in many different ways. It can be frozen and eaten like a sorbet or blended and sipped as juice. It can be used in a cold soup or salsa, the rind can be cooked as a vegetable and the seeds roasted for a very nutritious snack. Watermelon can even be grilled like steak, and when prepared in this way is said to have a texture similar to tuna. Being so versatile, watermelon will not quickly lose its appeal and can be added to meals in different ways to bulk them up without adding calories.

◆ **Watermelon as a Sports Drink**

Watermelon can be used as a low calorie, refreshing snack on a hot day, and will help to replace lost electrolytes such as potassium. This can help you to maintain energy levels and hydration when exercising in the summer without resorting to sports drinks, which are often high in calories.

◆ **The Benefits of Citrulline**

The white portion of watermelon, and the rind itself, contain citrulline, which is an amino acid that is used in sports supplements to decrease muscle fatigue. It works by relaxing the blood vessels. Decreasing muscle fatigue allows you to exercise for longer periods, as well as recover more quickly. Try digging a little deeper into your watermelon slice to get the benefit of the white section, or try grilling or pickling the watermelon rind.

◆ **Watermelon is a Rich Source of Antioxidants**

Watermelon has good levels of vitamin C and A as well as lycopene, all powerful antioxidants. Antioxidants can help to mop up free radicals that might cause or exacerbate conditions like asthma and heart disease. Consuming a good amount of antioxidants will help to keep you healthy, which will in turn allow you to continue exercising and feeling good.

Watermelon is filling, nutritious and a good substitute for fattening sweets when it comes to losing weight. Watermelon can easily and effectively be made a part of a healthy weight loss plan.

courtesy: 3fatchicks.com



6th CSR National Excellence Award 2011

By M/s Help International Welfare Trust (HIWT), Karachi

Mrs. Asma Maqbool Engineer (HSE)

Winners of the National Pakistan Corporate Social Responsibility Awards walked down a unique green carpet to receive their awards in a ceremony held in Karachi on 28th March, 2012.

The ceremony hosted senior executives and CEOs of participating companies, and professionals from government, civil society and media.

Winners were selected on the basis of the company's CSR activities: particularly good governance; addressing all key stakeholders; sincerity and on-going commitment in incorporating ethical values into their business; involvement in community related activities and protection of the environment. The companies were evaluated for their overall CSR best practices and not for one-offs or short-term projects.

SNGPL received 6th CSR National Excellence Award in appreciation and recognition of the services and overall performance of the company.



Ms. Asma Maqbool, receiving 6th CSR National Excellence Award by Mr. Nisar Khoro, Speaker Sindh Assembly

8th Surveillance Audit by M/s URS (Certifying Body)

Mrs. Asma Maqbool Engineer (HSE)

Health Safety & Environment

Surveillance Audit (third party audit) is an essential part of Certification to make sure that planned HSE activities demonstrate the effectiveness of the HSE Management System. 8th Surveillance Audit was conducted by M/s URS (Certifying Body) on ISO 14001:2004 & OHSAS 18001:2007 Standards, from 15th to 18th May, 2012.

Following sites were audited.

- 1) Faisalabad Distribution
- 2) Faisalabad Compression
- 3) Faisalabad Telecom
- 4) Sheikhpura Distribution
- 5) Co-Generation, Head office



Mr. Shahzad Khalid interviewing Tower technician at Faisalabad Telecom



URS Auditor conducting audit at Co-Generation, HO

During the Surveillance audit, URS Auditor visited Office blocks, Store, Store Yards, Workshops, Kitchen, Mess and Parking area at all sites. URS Auditor also visited BC-01 Manawala and B-2 Bhikki, as sub site of Faisalabad Compression and Faisalabad Telecom respectively. Some minor observations were highlighted by the auditor for the betterment of the site, which were addressed on site.

It is pertinent to mention that these sites have been prepared on ISO 14001:2004 & OHSAS 18001:2007 Standards by in house resources & without the engagement of Consultant. Overall Management commitment towards HSE was appreciated by the Auditor.

Why Managing HSE is important in Industry???

*Safety Makes
Good Business
Sense*

Law requires an employer
to provide safe workplace
to all employees



*Piper Alpha-
Night of 1988*



- Chain Reaction of Gas Release, Fire & Explosion
- 165 Dead out of 226
- 3billion USD Damage
- Litigation
- Bad Reputation

*Mexico LPG Plant-
November of 1984*



- LPG Leak
- 900 Killed
- 1000 Injured
- Bad Reputation

**Mexico LPG Plant
After Explosion**



REAL CONCERN:

- Each day, an average of 5,000 people globally die as a result of work-related accidents or diseases
- Every Year, workers suffer from 270 million Occupational Accidents and some 160 million non-fatal diseases
- Hazardous Substances in Industry kill about 438,000 workers annually

3 MAIN CAUSES OF ACCIDENT:

- Technical Equipment
 - Possibly due to faulty design leading to a sequence of unexpected events which finally results in an accident
- Working Conditions
 - Possibly due to Bad House keeping, High Noise, Extreme temperatures, Poor Ventilation, Poor Lighting or/and Exposure to Chemicals Hazardous to Health
- People
 - Possibly New to a Job or New to a Procedure. The same applies to a person when a person changes a job

It may take One minute to write a Safety Rule

It may take one hour to hold a Safety Meeting

It may take one week to plan a Safety Program

It may take one month to put it in operation

It may take one year to win a Safety Award

It may take one lifetime to make a Safe Worker

BUT

It takes only ONE SECOND to destroy it all with

AN ACCIDENT

Can We Afford An Accident?

- No Way!
- Accident are too costly to the Company, for the workers and their families
- Accidents can cause massive cost of damage to plant facilities, property and the environment
- Not to mention production losses and bad reputation.

**Health, Safety & Environment Department
Sui Northern Gas Pipelines Limited**



ایل پی جی - ہوائی ملاوٹ یا سنتھیٹک نیچرل گیس ایک متبادل ایندھن

زاہد حسین جی ایم (بلنگ)

لیکویفائیڈ پٹرولیم گیس ایل پی جی یا ایل پی گیس کہلاتی ہے۔ سنتھیٹک نیچرل گیس یا ایس این جی سے مراد صنعتی گیسیں ہیں۔ ایل پی جی اور ہوا کے ملاپ سے ایس این جی تیار کی جاتی ہے جو قدرتی گیس کا مفید نعم البدل ہے۔

ایل پی جی بنیادی طور پر پروپین (C_3H_8) اور بیوٹین (C_4H_{10}) کا مرکب ہے جبکہ قدرتی گیس ہلکی میٹھین (CH_4) اور زیادہ مقدار میں میتھین (C_3H_6) سے مل کر بنتی ہے۔ ایل پی جی فضائی دباؤ پر بھاپ کی صورت میں قدرتی گیس سے زیادہ کم دھوکہ دیتا ہے اس لئے سادہ شکل میں ایل پی جی قدرتی گیس کی جگہ استعمال نہیں کی جاسکتی یہی وجہ ہے کہ ایل پی جی میں قدرتی گیس کی خاصیت پیدا کرنے کے لئے اس میں ہوا ملائی جاتی ہے تاکہ یہ ایس این جی کی شکل میں قدرتی گیس کا نعم البدل بن سکے۔ ایل پی جی اور ہوا کا تناسب اوسطاً 60/40 ہوتا ہے لیکن ایل پی جی کے اجزائے ترکیبی کے مطابق اس میں تبدیلی ہو جاتی ہے۔ دونوں کو ملانے کا تناسب مرکب کے (Wobbe Index) پر منحصر ہے۔ عموماً ایک جیسا (Wobbe Index) رکھنے والی گیسوں کو ملایا جاتا ہے۔ (Wobbe Index) کا مطلب ”توانائی کا بہاؤ“ ہے۔ قدرتی گیس استعمال کرنے والے آلات میں دباؤ یا کسی بھی قسم کی تبدیلی نہیں کی جاتی۔ ایس این جی براہ راست قدرتی گیس کی جگہ قابل استعمال ہے۔ دنیا بھر میں ایس این جی کے استعمال کے لئے مختلف سسٹمز نصب کئے جا رہے ہیں۔ عموماً درج ذیل تین طریقوں سے ایس این جی استعمال کی جا رہی ہے:

پیک شیونگ سسٹمز (Peak Shaving Systems):

مختلف انڈسٹریز اور کمپنیاں قدرتی گیس کے زیادہ استعمال کے وقت ایس این جی استعمال کرتی ہیں۔

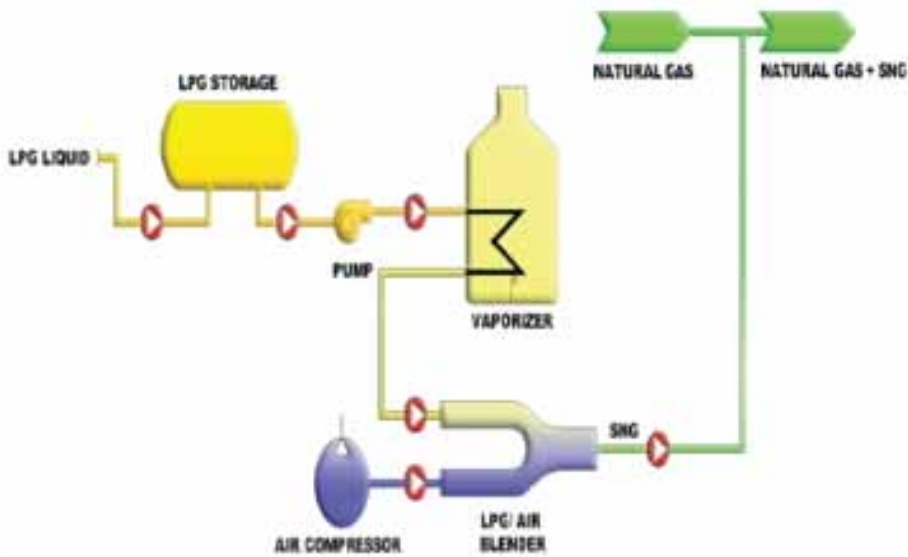
بیس لوڈ سسٹمز (Base-Load Systems):

ایسے علاقے جہاں قدرتی گیس کے منصوبہ جات چل رہے ہیں لیکن ابھی رسائی نہیں ہوئی وہاں قدرتی گیس کے نعم البدل کے طور پر استعمال ہوتی ہے۔

بیک اپ سسٹمز (Backup Systems):

مختلف انڈسٹریز میں تخفیف کے اوقات میں قدرتی گیس کی جگہ ایس این جی استعمال کی جاتی ہے۔

مانع ایل پی جی کو ٹینک کے اندر دباؤ میں رکھا جاتا ہے۔ گیس سٹور کرنے کی مقدار کا انحصار اس کے پریشر اور گھٹنے کے لحاظ سے استعمال کی شرح اور ایل پی جی کی ضرورت پر ہے۔ ایل پی جی کو ٹینک سے پمپ کے ذریعہ ایل پی جی ویپورائزر میں منتقل کیا جاتا ہے۔ جیسے ہی یہ ویپورائزر سے گزرتی ہے تو ایل پی جی گرم ہو کر بھاپ کی شکل اختیار کر لیتی ہے۔ ویپورائزر میں مناسب حرارت رکھی جاتی ہے تاکہ گیس کو دوبارہ مانع حالت میں جانے سے بچایا جاسکے۔ بھاپ کی شکل میں ایل پی جی کو ایس این جی بنانے کے لئے اس میں ایئر کمپرےسر کی مدد سے ہوا ملائی جاتی ہے۔ پھر ضرورت کے مطابق ایس این جی کو گیس سپلائی کی گرڈ میں داخل کر دیا جاتا ہے۔



دلچسپ بات ہے کہ پاکستان میں ایل پی جی کو ایس این جی کی صورت میں استعمال کرنے کی تاریخ کافی پرانی ہے۔ 1974 میں انڈس گیس کمپنی نے پاکستان میں پہلی دفعہ Base Load سسٹم نصب کیا۔ 80 کی دہائی کے درمیان میں قدرتی گیس آنے سے پہلے تک بلوچستان کے دارالحکومت کوئٹہ میں اسی کے ذریعہ گیس سپلائی کی جاتی رہی۔ سردیوں میں اس سسٹم کے ذریعہ 10MMCF تک حجم کی گیس سپلائی کی جاتی تھی۔

سوئی ناردرن ایگزیکٹو آفیسرز ایسوسی ایشن کا عشائیہ

شاہد مقصود چیف آفیسر (سیلز)

سوئی ناردرن ایگزیکٹو آفیسرز ایسوسی ایشن کے زیر اہتمام 28 اپریل 2012 کو ملتان میں ایگزیکٹوز اور ان کی فیملیز کے لئے ایک تقریب کا انعقاد ہوا۔ اس پر وقار تقریب میں ریٹائرڈ ایگزیکٹوز کی ایک بڑی تعداد نے شرکت کی۔ سوئی ناردرن ایگزیکٹو آفیسرز ایسوسی ایشن کے جنرل سیکریٹری نے مہمانوں کو خوش آمدید کہا اور ایگزیکٹوز کے اجتماعی مفاد کے لئے کی جانے والی کوششوں کے حوالے سے ایک مفصل رپورٹ پیش کی۔ اس موقع پر مہمان خصوصی سینئر جنرل منیجر (ایچ آر) نے انتظامیہ کی طرف سے کارپوریٹ گولز کے اہداف کے حصول کی کوششوں کو سراہا۔ انہوں نے تمام ایگزیکٹوز کی اپنے فرائض کی ادائیگی اور محنت و لگن خصوصاً گیس چوری کی روک تھام کے لئے کوششوں کی تعریف کی۔ تمام مہمانوں نے تقریب کی سجاوٹ، رنگ برنگ سرگرمیوں اور کھانے کے انتظام کو پسند کیا۔ تقریب میں ایک میچک شو بھی منعقد کیا گیا جس میں گلوکاروں اور سٹيج کے اداکاروں نے پر فارم کیا اور بچوں اور ان کے والدین کی تفریح کے لئے مختلف پروگرام پیش کئے گئے۔ تقریب میں آنے والی تمام خواتین اور قریب عائدازی کے ذریعہ منتخب ہونے والے ایگزیکٹوز کو تحائف دیئے گئے۔



ہیپ انٹرنیشنل ویلفیئر ٹرسٹ HIWT کراچی کے چھ قومی سی ایس آر CSR

ایکسیلنس ایوارڈ 2011

عاصمہ مقبول انجینئر (HSE)

28 مارچ 2012ء کو ایک شاندار تقریب میں پاکستان کے چھ کارپوریٹ سوشل ذمہ داری (CSR) ایوارڈ جیتنے والوں نے سبز قالین پر پروقار طریقہ سے چلتے ہوئے اپنے انعامات وصول کئے۔ اس تقریب میں ایوارڈ میں حصہ لینے والی کمپنیوں اور اداروں کے سربراہان اور سینئر عہدہ داروں کے علاوہ حکومتی اداروں، سول سوسائٹی اور میڈیا سے تعلق رکھنے والے معزز افراد نے بھرپور شرکت کی۔

ایوارڈ جیتنے والوں کا انتخاب کمپنی کی CSR کارروائیوں، خصوصی طور پر اچھا انداز حکومت، Stakeholders کی شمولیت، ایمانداری، برنس میں اچھی اخلاقی اقدار اور عوامی فلاح اور ماحول کی حفاظت کے منصوبوں کی بنیاد پر کیا گیا۔ کمپنیوں کا جائزہ، ان کی CSR میں مجموعی اعلیٰ کارکردگی اور قلیل المدتی یا کسی خصوصی پروگرام کی روشنی میں لیا گیا۔



چھ سی ایس آر انٹرنیشنل ایکسیلنس ایوارڈ میں مسز عاصمہ مقبول، پیکیٹر سندھ اسمبلی ٹارگٹرو سے اپنا ایوارڈ وصول کرتے ہوئے

آٹھواں جائزہ (Surveillance)

آڈٹ بذریعہ ایم/ ایس یو آر ایس URS (باضابطہ تصدیقی ادارہ)

مسز عاصمہ مقبول انجینئر (HSE)

صحت، حفاظت، ماحولیات

Surveillance Audit یا تھرڈ پارٹی آڈٹ سرٹیفیکیشن کا اہم حصہ ہے تاکہ اس بات کو یقینی بنایا جائے کہ ایچ ایس سی (HSE) کی تمام کارروائیاں ایچ ایس سی مینجمنٹ سسٹم کی افادیت ثابت کر رہی ہیں۔ اس سلسلہ میں آٹھواں جائزہ (Surveillance) آڈٹ، ایم/ ایس یو آر ایس (URS) (تصدیقی ادارہ) نے 15 سے 18 مئی 2012 تک آئی ایس او سٹینڈرڈز 2004 : 14001 اور 2007 : OHSAS 18001 کے معیار پر کیا۔

مندرجہ ذیل اداروں کا آڈٹ کیا گیا

- 1- فیصل آباد ڈسٹری بیوشن
- 2- فیصل آباد کپریٹیشن
- 3- فیصل آباد ٹیلی کام
- 4- شیخوپورہ ڈسٹری بیوشن
- 5- کوہنیشن (Co Generation) ہیڈ آفس

Surveillance کے دوران یو آر ایس (URS) کے آڈیٹرز نے ہر جگہ دفاتر، سٹورز، سٹور ہاؤس، ورکشاپس، باورچی خانہ، میس اور پارکنگ ایریا کا معائنہ کیا اسکے علاوہ یو آر ایس (URS) کے آڈیٹرز نے بی-سی-01 سٹاؤڈ، B-2 بھکھی کا بائوٹریب فیصل آباد کپریٹیشن اور فیصل آباد ٹیلی کام کے ذیلی دفاتر کے طور پر بھی معائنہ کیا۔ آڈیٹرز کے ان جگہوں پر کچھ معمولی نوعیت کے نکات اٹھائے جن پر عمل درآمد کیا جا چکا ہے۔

یہ بات قابل ذکر ہے کہ یہ جگہیں کمپنی نے صرف اپنی افرادی اور تکنیکی مہارت کے ذریعہ ISO 2004 : 14001 اور 2007 : OHSAS 18001 کے معیار کے مطابق تیار کی ہیں اور کسی بھی مشاورتی فرم/ فرد کی خدمات حاصل نہیں کی گئی ہیں مجموعی طور پر آڈیٹرز نے مینجمنٹ کی HSE میں اعلیٰ معیار حاصل کرنے کی کوششوں کی انتہائی تعریف کی۔



یو آر ایس، کوہنیشن (Co Generation) کے ہیڈ آفس کا آڈٹ کر رہے ہیں



شہزاد خالد فیصل آباد ٹیلی کام میں ٹارگٹیشن کا انٹرویو لیتے ہوئے

”گیس: مستقبل کی عالمی ترقی کی بنیاد“ پچیسویں عالمی گیس کانفرنس - ملائیشیا

علی رضا اعوان (ماہر میڈیا فیئر)



(دائیں سے بائیں) عارف حمید مینجنگ ڈائریکٹر سوئی ناردرن گیس پائپ لائنز لمیٹڈ، محمد کلیم، انفرادی رکن پی آئی پی، عاصم مرتضیٰ خان، مینجنگ ڈائریکٹر پاکستان پٹرولیم لمیٹڈ، سلیم پراچہ، ای او آر، پٹرولیم انسٹیٹیوٹ آف پاکستان (PIP)۔

جیو پولیٹکس کا قدرتی گیس مارکیٹ کی ترقی پر اثر اور غیر رسمی گیس: بھیل میں تبدل یا عالمی مشہوری؟ جیسے موضوعات کے ساتھ چوری کی گیس اور سمارٹ میٹرنگ کے سیشنز بھی ہوئے۔

ایس این جی پی ایل کے ایم ڈی عارف حمید نے اس کانفرنس میں انٹرنیشنل گیس یونین کے صدر سے ملاقات کی اور آئی جی یو سے دوسرے ملکوں کی کامیاب گیس پالیسی ماڈلز اور متعلقہ معلومات پاکستان سے بطور نمونہ شیئر کرنے کے بارے میں بات چیت کی تاکہ انہیں حوالہ جات کے طور پر پاکستان کی گیس پالیسی بناتے وقت استعمال کر کے ملک میں گیس کمی کے مسائل حل کئے جاسکیں۔

کوآلالمپور ملائیشیا میں 4 تا 8 جون 2012 کو ہونے والی پچیسویں عالمی گیس کانفرنس میں ایس این جی پی ایل کی نمائندگی مینجنگ ڈائریکٹر عارف حمید نے کی۔ عالمی گیس کانفرنس میں ایس این جی پی ایل کی شرکت کا مقصد پاکستان میں گیس کی کمی جیسے مسائل کا حل نکالنا تھا۔

کانفرنس کا موضوع ”گیس: مستقبل کی عالمی ترقی کی بنیاد“ تھا۔ کانفرنس کا مقصد قدرتی گیس کا توازن اور افادیت جیسے اہم موضوعات کے بارے میں آگہی پیدا کرنا، ممتاز و فوڈ کو صنعتی ترقی کے لئے بات چیت اور شراکت کی پیشکش کرنا، قدرتی گیس کے کاروبار اور اس کے بطور عمل انگیز استعمال میں وسعت پیدا کرنا تھا جیسا کہ انڈسٹری کے بارے میں خیال کیا جاتا ہے۔



Sui Northern Gas Pipelines Limited

sng

نیوز لیٹر | جون - جولائی 2012
جلد 4، شماره 4



”گیس: مستقبل کی عالمی ترقی کی بنیاد“ پچیسویں عالمی گیس کانفرنس - ملائیشیاء

کوالالمپور ملائیشیاء میں 4 تا 8 جون 2012 کو ہونے والی پچیسویں عالمی گیس کانفرنس میں ایس این جی پی ایل کی نمائندگی مینیجنگ ڈائریکٹر عارف حمید نے کی۔ عالمی گیس کانفرنس میں ایس این جی پی ایل کی شرکت کا مقصد پاکستان میں گیس کی کمی جیسے مسائل کا حل نکالنا تھا۔

ایڈیٹوریل بورڈ

پیٹر ان چیف
ایم عارف حمید

چیف کوآرڈینیٹر
عظمیٰ عادل خان

ای ٹیم
میڈیا انفیرز ڈیپارٹمنٹ