QATARGAS LAUNCHES WORLD-CLASS MAINTENANCE MANAGEMENT SYSTEM

When it comes to implementing cutting edge solutions and practices, Qatargas continues to strengthen its position as a global leader.

20 MILLION MAN-HOURS WITHOUT LTI ON LAFFAN REFINERY

Qatargas achieved another remarkable milestone in safety performance when its Laffan Refinery project completed.

TEN NEW LNG VESSELS NAMED IN KOREA

Ten more of the world’s largest LNG carriers were named by Nakilat and Qatargas at three separate ceremonies held in South Korea’s biggest shipyards in February.
04

The IIF Facilitators - a comprehensive approach to safety
In 2008, the IIF Leadership Team looked at ways of extending the role of the facilitators beyond the work site and the worker accommodation and into the local community.

05

Qatargas employees successfully complete Oil and Gas course
Qatargas places a lot of emphasis on the development of national talent, ensuring that a solid foundation of business skills is built over the first few years in the workforce.

06

Qatargas Induction Program
"It is essential that new employees attend these events to ensure they have a comfortable and effective introduction to their careers in Qatargas."

07

A day in the life of Michelle McFarlane
"The Pioneer" meets up with Michelle McFarlane.

08

Qatargas CEO Mr. Faisal Al-Suwaidi led the Management Leadership Team on a visit to North Field Bravo

OPERATING EXCELLENCE

12

20 million man-hours without LTI on Laffan Refinery
Qatargas and its Shareholders are extremely proud of this remarkable achievement.

15

Al Khor moves on to new challenges
The Al Khor project is moving on from Shell Head Office Plan (SHOP) 7, after 28 months of successful and saferelation.

16

Ten new LNG vessels named in Korea
Ten more of the world’s largest LNG carriers were named by Nakilat and Qatargas at three separate ceremonies held in South Korea’s biggest shipyards in February.

19

Qatargas Firewall Update
This is a very important initiative, which supports our Corporate Objectives and ensures that we operate in full compliance with applicable anti-trust and competition laws.

20

Putting milestones in place Berth 6 helps turn the vision to reality
The achievement sets the Project firmly on-track to have the new LNG berth loading ready for operation early in 2010.

INNOVATION

22

Qatargas launches world-class maintenance management system
The project, which started last year, involved researching best solutions to improve reliability and minimize downtime.

23

Qatargas 2 onshore hydrate readiness
The project started the engineering phase in March 2008 and achieved project completion in January 2009.

24

Innovative concrete construction technology applied in Qatargas projects by the Chiyoda Corporation
The driving force for initiating this innovative step was the essential requirement to prevent the occurrence of serious concrete failure by indicating and controlling the high excess heat generated from the setting, hardening and strength development of the foundation for the main gas compressors / turbines in the Qatargas 2 Train 4 and 5.

Steve McFarlane - editor

SCORECARD 2009

PRODUCTION STATISTICS

JANUARY 2009

QATARGAS

ACTUAL

CUM. BUDGET

CUM. ACTUAL

Red LNG Production (MMT)
49986
52888
49986

Field Condensate Production (MMBBLs)
1682
859
1682
859

QATARGAS MONTHLY SAFETY STATISTICS REPORT

Monthly data (January 2009)

QATARGAS

CONTRACTORS

Current month

“Year-to-Date”

Current month

“Year-to-Date”

Number of lost time Accidents (LTA)
0
20
0
20

Days lost due to LTA
0
0
0
0

Hours worked this month
211,200
124,600

Hours worked this year
211,200
124,600

Salary earned this year (QD 4-A Contractor combined)
338,000

SUMMARY (OVERVIEW)

QATARGAS

CONTRACTORS

Date of last LTA
21-Jul-08
20-Mar-08

Days worked since last LTA
2,929
2,710

Parametric hours worked since last Lost Time Injury (TT)
15,022,024
3,991,769

Parametric hours worked since last LT (24-26-03)
22,449,556

People — our most valued and vital asset

‘People’ are one of our four business pillars, along with innovation, operating excellence and corporate citizenship. People are the heart of our business and our most valued and vital asset.

The new direction statement we adopted last year places prime importance on people and the way we manage this vital asset. We believe that people should be treated with respect, as individuals with opinions to share and contributions to make.

The Employee Survey that was undertaken towards the end of last year was intended to give us the opportunity to provide feedback about their work experiences and gauge the overall level of employee satisfaction. The high level of participation was very encouraging. The survey was conceived as a baseline mechanism to help management learn about your thoughts and feelings regarding various aspects of working with Qatargas and identify areas of possible improvement.

Earlier this year, I shared with you, the key findings from the survey. I was extremely pleased to learn that most of you are aligned with our direction statement and have a clear sense of what the Company’s vision means and how we intend to realize that vision.

We consider safety as a core value in Qatargas and the results of the survey revealed that most of our employees feel the Company has been successful at creating an Incident and Injury free workplace. A high percentage of employees agreed that we conduct our business with integrity and in an ethical manner.

Most of you were also satisfied with the Company’s image in the markets in which we operate and with our internal communication. We were also deeply satisfied to know that like me, 92% of you are confident that Qatargas will be successful in future.

However, the survey results also highlighted areas where people felt improvement was required. Many of the concerns that were expressed relate to the way we manage ‘people’ issues. We have formed the Management Leadership Team Council on People to address these issues. The council will review and prioritize actions prompted by the survey and develop action plans to ensure that Qatargas employees have a positive experience of working with Qatargas, throughout their career with the Company. I am leading the council and am personally committed to ensuring that we build on the strengths that have been identified and address the concerns raised.

2008 was a very important year for Qatargas. We made huge strides in our expansion projects and celebrated many significant milestones. Great achievements were made on all fronts – onshore, offshore, shipping and receiving terminals. 2009 achievements were made on all fronts – onshore, offshore, shipping and receiving terminals. 2009 will be even more exciting and challenging.

I would like to thank and congratulate all of you on the numerous achievements we made last year and urge all of you to continue with the same commitment and determination. The months ahead are crucial in our journey towards realizing our vision – to be the world’s premier LNG Company.

FAISAL M. AL-SUWAIDI
Chairman and Chief Executive Officer
Almost a year ago, the Qatargas 3 & 4 IIF Leadership Team looked at how to take IIF to the next level in the workplace. They needed to ensure that everyone understood the importance of IIF and its role in safety. To achieve this, they decided on an approach that involved a team of different nationalities, experienced engineers in various disciplines, and with the ability to communicate effectively.

The team underwent rigorous training and then delivered training sessions to supervisors and workers. This approach quickly unified the team as a whole, and they became true IIF champions. The group was then split into teams and assigned to different contractors based on nationalities and languages.

Another important aspect of the facilitators’ job is delivering the Task Instructions module. The most important thing for the workers each day is for their supervisors or charge hands to discuss with them how they are going to do a specific task and how to manage the risks.

“We felt that the workers were not being given the required information in the required manner. Therefore, we put together a task instruction module that teaches the supervisors the when, what, how and where for effective Task Instruction conversation with the workforce.” says Shaun Hughes, IIF Coordinator, Qatargas 3 & 4 project.

The module consists of one hour classroom learning and two hours in the field working with a group of supervisors, charge hands and engineers on how to deliver the message to their workforce and outline their duties, risks involved as well as the mitigations in place.

Separate modules were developed for the various disciplines and were delivered separately to the different language groups by the facilitators. “We developed the pilot module for piping. The modules for all the other disciplines were developed by the facilitators themselves, with very little help from us... So, they have actually developed and delivered these modules and are still delivering them.” says Shaun.

“The sub contractors who were only used to tool box talks were skeptical of this new approach in the beginning. But now, over 4000 supervisors/charge hands have undergone these sessions and we have requests from contractors to deliver more.” Shaun adds.

“When we started the program in June last year, there was one contractor who had a particularly bad incident rate that was way above everyone else. Within just three months, their performance showed remarkable improvement. The strategy of involving management together with the workers, challenging them and offering rewards has reduced the incident rate considerably,” says Shaun.
The team has already delivered scaffolding, rigging, lifting, structural steel, electrical and instrumentation and will soon deliver civil and protective coating. The IIF orientation and Task Instructions Training has also been provided to supervisors, charge hands and engineers on the Berth 6 project as one of the team’s initiatives to assist other projects with safety and welfare aspects.

The domain of the IIF Facilitators extends beyond the work site to the workers accommodation as well. They visit the accommodation sites twice or three times a week to assess if there are any issues affecting the workers that need to be addressed and offer their assistance to camps bosses as necessary.

In addition to the IIF-Facilitators, the team also consists of two Welfare Support Officers, who in addition to basic qualifications in psychology also have experience in contractor lifestyle and multicultural diversity. The role of the welfare officers is to address any mental and psychological issues affecting the workers and assist them in dealing with them.

“Our project is one where you have 23,000 workers on site, they tend not to talk to each other. With a project of this size where you have workers from different nationalities, having someone who will listen to them and offer advice during their transition. Many of the workers at all levels cannot read well and the officers help them with reading letters and understanding contracts etc. The QatarGas 3&4 IIF Team also looked at the workers’ living conditions. The project provided two cinemas to each of the three accommodation sites with 300 DVDS for each. An IIF-sports league was launched with 1200 participants. The league is held three times a year. The awards, medals, gifts and equipment are all provided by the project. These activities are coordinated by the Events Coordinator. This is to provide people with an opportunity to do something in their spare time and put programs to challenge them in different ways after their site work. The project has set up internet cafes in the workers accommodation with 200 computers where people can surf the net, talk to families and have access to educational material.

Another initiative is a program involving the contractors on the work site and the worker accommodation and into the local community. The project purchased four seat belt convictions and kicked off a campaign to put 23,000 of the work force through the convinced to show them why wearing a seat belt was so important. The program is still being ran. Every new person takes a ride on the convinced and we are also doing refresher courses.

The team then decided to take the convinced outside the site to schools, colleges and shopping malls in Doha where students and the general public were invited to try it. The IIF Facilitators managed those campaigns voluntarily, in their spare time. Shaun is full praise for the team and says “We are planning more such road shows”. This speaks a lot about the team’s commitment to take IIF beyond our perimeters and spread the message of safety in the community.” — SHAHRIZA ABDULLAH

Many of the new workers have never been out of their home country and experience cultural shock when they first arrive. The working and living conditions and even the landscape are entirely different from what they have been used to. The welfare officers who are themselves expatriates are able to relate with this situation and offer advice during their transition. Many of the workers at all levels cannot read well and the officers help them with reading letters and understanding contracts etc.

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“Almost a year ago, I was involved in a serious vehicle accident in which my car had become a total wreck. However, I escaped unscathed from this horrifying crash because I was wearing my seatbelt. This incident reinforced my belief that safety should be a way of life rather than rules to follow at a construction site.”

“Before joining the project I had worked as a Pipeline Engineer in Algeria. IIF was a totally new concept for me. In my earlier job, our only focus was on construction, but now, I realize safety comes before anything else.”

“We are constantly looking for ways to improve the welfare of the workers. Providing newspapers in different languages, movies, audio visual equipment, library, gym and other amenities are part of our endeavor to improve their well being and provide opportunities for relaxation and recreation. The project management is very supportive of our initiatives.”

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Qatargas places a lot of emphasis on the development of national talent, ensuring that a solid foundation of business skills is built over the first few years in the workforce. Such critical skills development lays a solid foundation for growth in the business world and ensures that each graduate has the opportunity to grow and develop within the Qatargas family. The successful Qatargas candidates are Menaal Al-Oteesari and Sadig Al-Dhini - both from Plant Operations, Ahmed Al-Ansari - Maintenance, Mohammed Al-Khayaren - Engineering and Ali Sowailah - SEG.

QATARGAS INDUCTION PROGRAM

The Training and Development Section held the first Qatargas Induction session of the year on January 20th. Held in the Ballroom of the Al Waha Club, the session was attended by a record 117 employees.

TOPICS DISCUSSED INCLUDED:
- Qatargas History & Milestones
- Qatargas Direction Statement
- Qatargas Organization
- Objective Cascade Process
- Qatargas O & D
- e-Learning
- Intranet
- Personal Information
- GG Ethics Policy
- GG Dress Code
- Medical Treatment
- General Information
- Security

Sessions are held on the third Tuesday of each month. New employees are contacted by Malcolin Pereira, Sr. HR Information Systems Assistant who gives them the time and venue of their scheduled session.

Norman Galloway hosted the induction session. Dave Lambert, HR Support Coordinator; Assad Salem, Training Supervisor (E&U) and Don Birch, eLearing Specialist joined him to assist in presenting various parts of the program.

QATARGAS EMPLOYEES SUCCESSFULLY COMPLETE OIL AND GAS COURSE

Five Qatargas employees were awarded certificates after successfully completing a course conducted by General Electric Oil & Gas. The course entitled “Oil and Gas Technologies” is offered as part of General Electric’s Oil & Gas University and was delivered in Doha from January 11 to February 22. The certificates were presented during a ceremony held at Al Sharq Hotel in Doha on February 22.

Mr. Abdulaziz Al-Mannai, Qatargas Acting Human Resources Manager said, “I would like to congratulate the candidates who have successfully completed this course. I am sure they will benefit greatly from the knowledge they have acquired through this program. This and other similar courses are an integral part of the development process for national employees in Qatargas.”

A DAY IN THE LIFE OF MICHELLE MCFARLANE

In this issue, ‘The Pioneer’ meets up with Michelle McFarlane Atkinson, who is a Rotating Equipment Engineer with the Qatargas 3&4 JADT Construction Team in Ras Laffan.

Michelle McFarlane Atkinson, who is a Rotating Equipment Engineer with the Qatargas 3&4 JADT Construction Team in Ras Laffan.

Michelle, who hails from Jamaica has been with the project since 2006 during the engineering phase in Japan as a secondee from the Shell group. At the end of 2007 she was transferred to the Construction team in Ras Laffan.

Michelle has a Masters Degree in Aerospace Engineering from the University of Manchester in addition to a Postgraduate Diploma in Environmental Management from the University of London. She is also a Chartered Engineer with the Institute of Mechanical Engineers.

Michelle is married with one son and her family is with her in Qatar. Her husband is also an engineer. Finally we asked her how she liked to spend her free time, to which she replied; “What spare time? Seriously, my spare time is about family and friends. When we asked her what she sees as the biggest interesting aspects of her job, she said; “knowing that the current decisions/positions are in the interest of long term operation of the equipment and plant and working and communicating with all parties to achieve this.”

Michelle is married with one son and her family is with her in Qatar. Her husband is also an engineer. Finally we asked her how she liked to spend her spare time, to which she replied; “What spare time? Seriously, my spare time is about family and friends. Here in Qatar we also enjoy going off road to various areas. I enjoy watching sports where athletics and tennis are my favorite events - after all the Jamaican population at least doubles for the Qatar IAAF Super Grand Prix.”

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Akram Yousef, Offshore Installation Manager received the group. The purpose of the visit was to hold the annual town hall meeting with the offshore team. The CEO and his team briefed the personnel regarding the Company’s achievements in 2008, current status of the various expansion projects and future plans. The offshore personnel also got the opportunity to raise their concerns and seek clarification from the management on several issues.

The visit ended with a tour of the facilities on North Field Bravo, led by Abdulla Khalid Idris, Offshore Operations Manager.
Qatargas achieved another remarkable milestone in safety performance when its Laffan Refinery project completed 20 million man-hours without a Lost Time Incident (LTI) in January. GS-Daewoo of Korea is the prime contractor consortium for the project that began construction in late 2005.
Commenting on this achievement, Mr. Salman Ashkanani, Venture Manager - Refinery said; “Qatargas and its shareholders are extremely proud of this remarkable achievement. We extend our appreciation to Gs-Daewoo for their hard work and commitment over the past several months to achieve this milestone.”

“Since the start of the Laffan Refinery Project, the GS-Daewoo Consortium has worked over 27 million man-hours with only one LTI. This performance has been achieved through the hard work and dedication of the contractor consortium and the Laffan Refinery Project Management and Expansion Start-Up Teams. We encourage the entire workforce to continue this good effort. Qatargas is committed to an Incident and Injury free (IIF) workplace, and this milestone is strong evidence that such a goal can be achieved.”

The Laffan refinery is expected to be operational by the middle of this year and will produce mixed liquefied petroleum gas (LPG), naphtha, Kerojet (A-1) and gas oil. The shareholders in Laffan refinery are Qatar Petroleum, ExxonMobil, Total, Idemitsu, Cosmo Oil, Mitsui and Marubeni.

The Al Khor rig is moving on from Well Head Platform 7 (WHP-7) after 20 months of successful and safe drilling. The rig is now to undertake perforation and stimulation activities on another of Gargas 3&4’s platforms.

The Al Khor, owned and operated by Gulf Drilling International (GDI), has safely completed drilling nine of the 10 top hole sections at Platform 7, to an average depth of 10,000 feet. It has also completed two reservoir sections.

The rig arrived in the North Field and spudded its’ first well on May 8, 2007. It was a brand new fifth generation jack-up with modern electronic control systems. New crews learned new skills, new equipment was started up and the QG3&4 safety programmes were rolled out on the rig. The IIF culture and STOP card programme enabled the rig to complete 752,300 man hours without a recordable Incident. To put that into perspective, it represents one man working for 83 years, a lifetime of work. There was a record of 94% ‘perfect days’, at which not a single incident or near miss happened alone, 421,032 man hours of work resulted in only five first aid cases. There were 13,989 STOP cards issued on the Al Khor, and in 2008, 540 people participated in the programme.

Throughout its operations, the Al Khor crew has demonstrated great teamwork and genuine care for each other. The safety culture of Al Khor is echoed in the words of Ken Marnoch, Upstream Manager: “The crew handled all operations on the rig safely, and the team always looked for ways to have Everyone Go Home Safe. This was everything to the detailed planning for high risk activities through to safety signs in three or four languages to ensure clear understanding for everyone on the multicultural crew. Safety performance like this on a new rig operating in a challenging drilling environment where everyone is learning is something that QG3&4 and GDI are very proud of.”

Apart from safely delivering its work programme, the Al Khor rig also offered excellent support to its sister rigs on the project. Lead Geologist Phil Lawry said: “When the Noble Kenneth Delaney rig was facing issues with drilling fluid, it was the Al Khor that supported by mixing mud and providing drilling fluid to the rig.”

Ken added, “The Qatargas 3&4 project wishes to extend our thanks and gratitude to the Al Khor for the completion of its work programme on WHP-7. We are confident that the experiences encountered during the Al Khor’s first ever assignment has helped build a strong foundation for continuing success with the QG3&4 Project.”
Ten more of the world’s largest LNG carriers were named by Nakilat and Qatargas at three separate ceremonies held in South Korea’s biggest shipyards in February.

During the first ceremony held on 6th February at Hyundai Heavy Industries Co., Ltd. shipyard in Ulsan, three Q-Flex vessels were named. The first ship “Al Rekayyat” was named by Mrs. Asma Ali Al-Khulaifi, spouse of Mr. Ahmed Al-Khulaifi, Chief Operating Officer – Commercial and Shipping Group, Qatargas.

The second vessel, “Al Kharaitiyat” was named by Mrs. Lucy Rowland, spouse of Mr. Martin Rowland, Director, Joint Ventures, Nakilat, while the third ship “Mesaimeer” was officially named by Ms. Kathryn C. Turner, member of the Board of Directors of ConocoPhillips.

The second ceremony took place on February 9th at Samsung Heavy Industries Co., Ltd. shipyard on Geoje Island where four LNG carriers, one Q-Flex and three Q-Max ships were named. LNG Carrier “Mekaines” was named by Mrs. Maryam Al-Suwaidi, spouse of Mr. Faisal Al-Suwaidi, Chief Executive Officer, Qatargas, while Mr. Faisal Al-Suwaidi named “Al Ghashamiya”.

The third vessel, “Al Mayeda” was named by Sheikha Noof Bint Mohammad Al-Thani, spouse of Sheikh Ahmed Al-Thani, Chief Operating Officer – Engineering and Ventures Group, Qatargas and the fourth vessel, “Al Mafyar” was named by Mrs. Patricia Watson Copeland, spouse of Mr. James E. Copeland, member of the Board of Directors of ConocoPhillips. “Al Mayeda”, “Mekaines” and “Al Mafyar” are Q-Max ships and “Al Ghasshamiya” is a Q-Flex.

The third and final ceremony took place on February 11th at Daewoo Shipbuilding & Marine Engineering Co., Ltd. shipyard also on Geoje Island where three more Q-Flex’s were named. The first ship “Al Sheehaniya” was named by Mrs. Fiona J. Johnston, spouse of
Starting with this issue, ‘The Pioner’ will feature regular articles regarding the Firewall initiative. This is a very important initiative, which supports our Corporate Objectives and ensures that we operate in full compliance with applicable anti-trust and competition laws.

The purpose of these articles is to provide Qatargas employees with the latest news and updates on the Qatargas Firewall to help those departments, which handle commercially and competitively sensitive information (CCSI) to comply effectively with the policies and rules.

**SharePoint**

SharePoint is a Microsoft application which all departments have access to, and which enables users to easily store, find, process and share their files, using a centrally managed repository with consistent categorization.

It also enables users to create version and approval controls, and to restrict access to important data. A recent update to the Firewall Compliance Handling and Labeling Policies and Procedures now requires CCSI handling departments to store, as far as possible, their electronic CCSI in their departmental SharePoint sites in folders categorized as “CCSI”.

**Tip:**

Go through the electronic data you hold on your laptop or PC, and transfer as much as possible to your department’s SharePoint site. Your department’s SharePoint “super-user” can help you to make sure that the data which is CCSI is filed in the right SharePoint CCSI folders.

**Encrypting CCSI**

Data encryption is a process of “scrambling” stored or transmitted information so that it is unreadable until it is “unscrambled” by the intended recipient or user.

This means that any data stored on encrypted folders cannot be read or hacked into, should a laptop be lost or stolen.

An encrypted laptop data folder “DCI/CCSI Folder” can be provided on request from the IT Department. CCSI users who have CCSI on their laptops must move the data to encrypted folders. It should be requested to install the encrypted folder where necessary.

**Tip:**

It’s important to make sure that only CCSI which is currently being worked on, or which is necessary for operational reasons, is held on your laptops. Otherwise it should be moved to SharePoint.

**Legislative Update**

We will provide you on a regular basis, with details of emerging and current issues and news from the major geographical markets where Qatargas operates, relating to the operation of competition and anti-trust law in those markets. From the cases below you can see that compliance with our Firewall regime should be a key priority because companies can and do find themselves under investigation by the regulators because of anti-competitive behavior.

The items below concern a recent case brought by the European Union in respect of a cartel, and news in respect of OPEC – the world-wide association of oil and petroleum producing countries.

**Heavy Fines in Marine Hose Cartel:**

On 28 January 2009, the European Commission announced that it has fined five companies a total of EUR31 million for participation in an illegal market-sharing cartel in the marine hose industry. A member of the cartel, Kawasaki was not fined because it revealed the existence of the cartel to the Commission. The cartel members were found guilty of fixing prices, allocating markets and bids, and exchanging commercially sensitive information. The Competition Commissioner commented: “It will not tolerate illegal cartels and will continue to impose heavy fines on those companies found guilty of this kind of serious malpractice.”

**OPEC Ruling:**

A US court has dismissed an anti-trust claim made against three oil companies for trust claim made against three oil companies for

The court ruled that it lacked jurisdiction to hear the case, as it would infringe the US “Act of State” and “Political Question” doctrines, which seek to prevent more than one branch of government from making decisions that affect a specific foreign policy.

**IT Update**

Microsoft’s Rights Management System (RMS), is a new solution to be rolled out in early March 2009, and which will, protect CCSI during its transmission and storage, prevent CCSI documents from being viewed, copied, printed or emailed based on a number of parameters set by the document owners; and replace the need for email encryption since any RMS protected email will be encrypted. RMS supports & integrates with all MS Office Applications.

**Move to Al Jazeera Towers, Doha**

Do you have concerns about how you will keep your CCSI confidential in the new offices? If you have any comments regarding Firewall and CCSI security in relation to the office move, please contact Lawrence Wright, Compliance Manager.

**Revisions to the Firewall Definitions and Ruleset**

Do you find the ruleset a bit confusing or difficult to apply to some of your processes – particularly if you are in Finance or Commercial & Shipping? Compliance recognises that updates are needed and is in the process of revising the ruleset and CCSI definitions to ensure that there is a better “fit” to the business structures and processes. We will keep all relevant staff informed when the updates are complete.

Two new procedures – Harding CCSI and Labeling - have been issued and are now available on the intranet.

**I M P O R T A N T**

**CCSI Labeling**

If you have any hard-copy CCSI you should make sure that it is labeled as “CCSI”. CCSI stamps are available for this purpose - contact Babyfe Juco, Legal Department. The planned move to Al Jazeera Towers makes this an ideal time to do some “housekeeping” and destroy or archive any hard-copy CCSI documents you don’t need and won’t need to take with you.

**Delegation of Authority**

When going on leave, take into account the Firewall rules if you intend to delegate your workflow responsibilities.

**New Training Events**

The Compliance Department is planning to hold Firewall training courses over the next few weeks for staff who were not able to attend courses in November and December last year. Further details will be communicated shortly.

**Contact us**

If you have any questions relating to the Qatargas Firewall or the operation of applicable anti-trust laws, please contact Lawrence Wright, Compliance Manager (lwright@qatargas.com.qa) or David Smale, Compliance Advisor (dsmale@qatargas.com.qa).
Berth 6 is a Common facilities project, while being delivered through Qatargas 3 & 4 management, structure, the project, reports to a different set of shareholders and is financed separately from QG3&4.

However, the Project is very much part of the QG3&4 family, with Project Manager, Bertrand Boudier, reporting to Mike Britton, Senior Project Manager for QG3&4.

Work got under way in December 2007, with the awarding of an engineering Procurement and Construction Management contract to Houston-based engineering and construction firm, Fluor. In a little over a year, Berth 6 has made impressive progress. In addition to putting into place the massive concrete blocks that will form a mooring jetty for tankers, the Berth 6 team has supervised the construction of a 1,100 tonne topside module, where four LNG loading arms will be positioned, at the Adyards shipyard in Abu Dhabi while the construction of a 7 kilometre 2x36-inch SS pipeline that will link the berth to Ras Laffan’s LNG storage tank farms is progressing. The pipelines work is being carried out by Medgulf, while the marine side of the Project is being built by a Turkish company, STFA.

While the Project’s scope and achievements to date are impressive, there have been challenges along the way. As Bertrand notes, the market was hot and securing the material and recruiting the right people for the project were two related issues.

“…It was a hot market for workers, so both the Qatargas Project team and our contractors put a lot of effort into making sure we found people who had the right technical skills and the necessary levels of safety awareness to complete the Project safely and efficiently," says Bertrand.

The safety concerns facing the Berth 6 team are familiar to anyone working in oil and gas, or general construction – good planning and tasks instructions, personal protective equipment and “housekeeping” to keep sites clean, tidy and free from hazards. As well as keeping its own house in order, the Berth 6 team recently carried out a general beach clean up along a common area of Ras Laffan Port’s shoreline, prior to starting pipeline work. In common with the QG3&4 Project, Berth 6 has also put great emphasis on road safety. Around 2,000 Berth 6 personnel have been through the Convincer seat belt safety programme.

Indeed, as with the QG3&4 Project, the Berth 6 workforce is drawn from across the globe, with some 12 nations represented. In terms of numbers of workers, the Qatargas team managing the project is 29-strong, with Fluor adding a further 150. When subcontractor personnel are added the numbers rise by some 2500 located across Houston, Abu Dhabi, Doha and Ras Laffan.

But as well as creating challenges, the multi-national nature of the Project team is something that Bertrand will recall as one of the strengths of the Berth 6 team.

“We have such a mix of nationalities and cultures from different places and companies,” says Bertrand. “For example, I am French, and a seconded from Shell, while my boss, Mike Britton is American, from ConocoPhillips, and we are here working with our Qatargas hats with people and contractors from all over the world.

“…It is very exciting and brings a great cross-fertilization of ideas and practices. The team’s commitment to getting the job done, to delivering a high quality asset for long term operation, and to ensuring that everyone is safe are things that will stay with me.”

Qatargas has reached another milestone in its vision to be the world’s premier liquefied natural gas (LNG) company with the Berth 6 Project team putting the first 720 tonne dolphin concrete blocks in place. The achievement sets the Project firmly on-track to have the new LNG tanker loading berth ready for operation early in 2010.
QATARGAS LAUNCHES WORLD-CLASS MAINTENANCE MANAGEMENT SYSTEM

“We explored international standards, appraising many companies and different approaches in search of worldwide best practices.”

When it comes to implementing cutting edge solutions and practices, Qatargas continues to strengthen its position as a global leader.

A good example of this is the launch of its world-class CMMS – a computerized maintenance management system that greatly improves the ability to manage the integrity of all Qatargas 2 maintainable systems and equipment.

The project, which started last year, involved researching best solutions to improve reliability and minimize downtime.

Focused on implementing a first-rate CMMS (based on the safety of personnel and physical assets, environmental friendliness, as well as criticality and reliability), the QG 2 team went to task to develop a detailed list of assets using advanced preventative, predictive, condition monitoring techniques.

Working tirelessly for months, the group researched and compiled information from a number of sources, including vendor recommendations, experiential knowledge, scientific data through RCM (Reliability Centered Maintenance) assessment, regulatory requirements, hazard recommendations, SIL (Safety Integrity Levels), and RAM (Reliability/Availability/ Maintainability) studies.

“Our exploration of international standards, appraising many companies and different approaches in search of worldwide best practices,” explains ESU Maintenance Division Manager, Abdel Kader Attou. “We then packaged all this information and developed a strategy to maintain every system and piece of equipment in the most efficient way possible.

The team first put the system to the test in the second quarter of 2008 with the QG 2 offshore facilities. The project was a huge success, delivering a number of significant and valuable features.

“We now have the ability to record equipment failure history from day one”, reports Mr. Attou. “This allows us to quickly establish lessons learned and implement the necessary changes to increase reliability.”

Commending the team for its efforts, Expansion Start Up Manager, Abdelkader Haouari, says he is extremely pleased with the results of newly implemented CMMS and what it means for the present and future of Qatargas.

“When it comes to safety and reliability of equipment and systems, Qatargas continues to lead the way and set the standard with meaningful and measurable results.”

QATARGAS 2 ONSHORE HYDRATE SEASON READINESS

As the Qatar winter season approached, the importance of hydrate formation mitigation became critical to ensure a smooth start up of Qatargas 2 (QG2) Train 4. On January 9th, 2009, Chiyoda Technip Joint Venture (CTJV) successfully handed over the Mono Ethylene Glycol (MEG) Injection Facility (MIF) to Qatargas. The Expansion Start Up Group accepted care, custody and control and MEG injection started on the same day.

MEG injection is required for hydrate formation mitigation during cold winter conditions, which could cause flow restrictions in pipelines and downstream equipment. Solids physically resembling ice, hydrates are crystalline compounds that form when water molecules encage light hydrocarbons such as methane and ethane. The MIF has high pressure pumping capacity of 10m³/hr, sufficient to inject MEG to both QG2 wet gas pipelines with minimum operator’s intervention.

The project started the engineering phase in March 2008 and achieved project completion in January 2009. This achievement was made possible due to the dedication and team work between QG2 PMT, ESU, CTJV and CCIC as well as Qatargas Operating Company. Mr. Ali Ahmed, QG2 Onshore Special Project Engineer said “Everyone worked as a team and no issue was too difficult to be resolved through the efforts and contributions of the team members.”

Working in parallel with QG2 PMT, ESU has successfully placed a chain of logistics for MEG supply and completed the on-the-job training for ESU personnel. The early preparation was the major contributor to successful start-up of the facility. “We had a great multi-functional team from Supply, Onshore Logistics, Offshore Operations, ESU, and RasGas who in less than 6 months procured the huge quantity of MEG and contracted the vessels, trucks, tanks, and people. “We were ready for winter”, said Mr. Keith Merkley, ESU Support Division Manager. “Incident and Injury Free is up to me” has been in the minds of all workers during the project duration.

No recordable injury occurred throughout the project, reflecting the success and commitment to safety by all parties involved. “We emphasized safety in all aspects of the job, carried extensive training programs, safety initiatives programs and safety walkthroughs. No work was started without safety in mind”, says Mr. Sawsan Turaiz, QG2 Onshore Project Safety Supervisor.

Congratulations to all!

“The team has done a great job to make the needed plant changes for hydrate prevention before winter without impacting our startup of Train 4. With the MIF in place, MEG logistics arranged, procedures developed, and people trained, we have not had any production stoppages caused by hydrate formation either offshore or onshore. Great work by all.”

- Abdelkader Haouari, ESU Manager

Abdelkader Haouari, Expansion Start Up Manager (2nd from left), congratulates the team responsible for implementing the maintenance management system to QG 2 Offshore, which includes (far left) Rick Bolle, Leader of EAM (Enterprise Asset Management) Development; (right from back) Randy Delaune, SU (Start Up) Head of Maintenance Engineering; Abdel Kader Attou, Maintenance Division Manager; and Hassan Omary, Senior CMMS Engineer.

Abdelkader Haouari, Expansion Start Up Manager (2nd from left), congratulates the team responsible for implementing the maintenance management system to QG 2 Offshore, which includes (far left) Rick Bolle, Leader of EAM (Enterprise Asset Management) Development; (right from back) Randy Delaune, SU (Start Up) Head of Maintenance Engineering; Abdel Kader Attou, Maintenance Division Manager; and Hassan Omary, Senior CMMS Engineer.
The driving force for initiating this innovative step was the essential requirement to prevent the occurrence of serious concrete defects by reducing and controlling the high excess heat generated from the setting, hardening and strength development of the foundations for the main gas compressors / turbines in the Qatargas 2 Trains-4 and 5. Four engineers in the Chiyoda Corporation will receive The American Concrete Institute (ACI) award for presenting the annual best paper on concrete construction technology titled “Air Pipe Cooling System”. The award, intended to enrich the literature in construction technology and best practices on mass concrete construction, will be presented at a ceremony to be held on March 15th 2009 at the ACI Spring Convention in San Antonio, Texas - USA.

Mr. S. Ishikawa, Dr. K. Matsukawa, Mr. S. Nakanishi and Mr. H. Kawai, from Chiyoda’s Civil Engineering Group authored the paper published in the ACI magazine for December 2007.

The driving force for initiating this innovative step was the essential requirement to prevent the occurrence of serious concrete defects by reducing and controlling the high excess heat generated from the setting, hardening and strength development of the foundations for the main gas compressors / turbines in the Qatargas 2 Trains-4 and 5. Therefore, the decision was made to develop a plan using air cooling pipes fixed to fans at one end as well as developing a special wet (water) curing procedure and providing thermal insulation to the concrete formwork. The plan was developed by the Chiyoda team (mentioned above), then reviewed and approved by members of the Qatargas 2 Onshore team; Mr. Hassan Sawan, Dr. Jameel Khalifa and Mr. Nasser Al-Issa, as well as Dr. Nasser Al-Nuaimi from Qatar University.

In addition to Qatargas 2 Trains 4 and 5, the procedure was implemented with the same effectiveness and efficiency in Qatargas 3 and Qatargas 4 (Trains 6 and 7), as well as RasGas Trains 6 and 7.

The concrete volume per foundation is around 1240 m3 for a total of six compressor / turbine foundations in Trains 4 and 5. The Mixed Refrigerant (MR) gas compressor / turbine is the largest rotating equipment on the project, and is composed of the following rotating equipment; Low Pressure Compressor (336.5 Tons), High Pressure Compressor (206 Tons), Frame-9E Gas Turbine (215 Tons) and Motor / Generator (98.7 Tons), this sums to a total of 856.2 Tons.

The Frame-9E Gas Compressor was only used in the past to generate electric power, but as one of the many innovative technology steps forward introduced by the Qatargas 2 Project it will be used for the first time in the LNG industry to drive the massive gas compressors which are part of the gas cooling cycles.

The first foundation for the Nitrogen compressor / turbine in Qatargas 2 Train 4 was poured in January 2006.

This pioneering achievement is the result of detailed research, effective communication and dedicated team work by all involved parties. The Chiyoda Corporation is the leading partner of the Chiyoda-Technip Joint Venture (CTJV), the Main EPC Contractor for the Qatargas 2 Onshore Project in Ras Laffan - Qatar.