



ExxonMobil
Chemical

**A newsletter from the
Fawley Site**

July 2012 Issue 28

www.exxonmobil.co.uk

You can now also see
Community Matters online at:
www.fawleyonline.org.uk



Before (inset), and after (above) - Team member Rory Blyth: the new set-up is more professional

COMMUNITY MATTERS

A cool performance

This summer will bring with it warmer weather (hopefully!) which will see many of us flocking to the beach to soak up the heat.

Unfortunately, here at Fawley, the warmer weather is a problem for us as the temperature of the sea water that we use for cooling many of our processes can rise by as much as 10°C. One unit in particular that is affected by the increasing water temperature is the Catalytic Cracker Light Ends. The Light Ends unit is responsible for cooling and separating valuable gases such as propylene, so as the cooling water temperature increases, the amount of the gases we recover decreases. To help to reduce this we hire huge portable chiller units to cool down the salt water during the summer. Recovering even a small percentage more of these gases results in significantly increased profit.

Over the last couple of months, a team has been working hard to redesign our cooling water system to maximise the chillers' performance and increase propylene recovery.

One problem that affects all salt water systems at Fawley is red weed. This seaweed grows in abundance in the shallow waters surrounding the main water intake and some gets sucked in, playing havoc with cooling

performance as it clogs up the pipes. To solve this, strainers and 'free-flow' coolers have been incorporated into the design which has increased cooling capacity.

The new design has reduced the maze of hoses which were a tripping safety hazard and also meant that the chilled water gained more heat.

Also, the chillers will be hard-wired to an electricity sub-station, rather than being powered by diesel generators as they were in the past. This saves money on the hire of the generators and on diesel to power them.

The redesign has been a fantastic step forward for site profitability and Fawley is now ready for a BBQ summer!



We identified a huge cost saving opportunity that will involve wiring the chiller units directly to a sub-station, saving a substantial amount on diesel fuel, on the cost of equipment hire and have increased reliability.

Rory Blyth – Process Operations Support



**WELCOME TO OUR JULY 2012
EDITION OF COMMUNITY MATTERS.**

**If you would like to know more about us
or have any queries, please ring 02380 892511
and ask for Community Affairs**

Photography by Ian Jackson & ExxonMobil Employees
Produced by Lois Clarke
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A day in the life of a fire and rescue co-responder

ExxonMobil engineer Russell Martin can sometimes be found saving a life when he should be working at Fawley. And, he has the blessing of the company.

Hampshire Fire and Rescue Service (HFRS) supports the South Central Ambulance Service (SCAS) by releasing firefighters to attend life-threatening incidents and to provide basic life support until an ambulance arrives. SCAS also provides a vehicle, complete with blue lights and sirens, for the firefighters.

Russell Martin pictured with his community response vehicle and emergency first aid kit.



Hythe and Hardley fire stations both supply volunteers for this service, which covers all of the Waterside area. The volunteer firefighters are given additional first aid and trauma care training. This enables them to operate defibrillation and resuscitation equipment and to administer a limited number of drugs. To ensure that 24 hour cover is available, HFRS and SCAS relies on local employers to release retained firefighters from work at short notice. Chemical Development Engineer at the Fawley site, Russell Martin, is a retained firefighter at Hardley and as the refinery's only Fire Co-Responder, he is allowed to respond to ambulance calls during office hours.

Russell comments: "I generally cover one 24 hour continuous period per week on the 'Co-Ro' ambulance. It's great that the company can release me, and I manage my diary so that there aren't important meetings that day. Of course, I make up any time that I am away from work. I have to come to work in HFRS uniform and I

take the car with me wherever I go, as I have to be able to respond immediately to emergencies."

"We only attend Category A incidents, where life is at risk. These include chest pains; breathing difficulties; stroke; choking; diabetic incidents; severe trauma or bleeding; unconsciousness and cardiac arrest. You have to act quickly and the high quality training we receive makes our responses automatic, as we follow a strict procedure. Over the last year, I've attended seven cardiac arrests. Most were older people and despite sustained efforts, they sadly didn't respond. One good news story was a year old baby girl who went into arrest when I was attending a call for fitting. She responded to CPR and eventually made a full recovery. It was very frightening at the time but it makes it all worthwhile."

ExxonMobil at the Fawley site have also recently donated £15,000 for a new Community Response vehicle.

Employees at the Fawley site also volunteer for the RNLI Crew.



Taking the next step

As a site we are very good at recycling. Last year the site made over £500,000 from the sale of recycled metal.

Paper and wood are also recycled across the site. But, Fawley is about to take the next step! - re-using rather than just recycling.

Re-using materials is not only good for the environment but makes the site money too! Wooden pallets in good condition can be sold for £1 each! Recycling a pallet in the wood skip is a good start, but Fawley is encouraging employees to think "Is this pallet in good condition?" If the answer is yes, they can be saved and sold in bulk to a company that will re-use them.

Depending on their condition and cleanliness, drums can also be re-sold either for re-use or scrap. Last year over two thousand drums were sold back to the supplier. The supplier cleans off any residual hydrocarbons and either re-uses the drum or sells it on as scrap.

By re-using drums and pallets the demand for raw materials is reduced – reducing the environmental impact associated with making drums and pallets. The better care we take of the drums and pallets around the site the more will be re-used – taking us into the green!

Amazing People Awards 2012



We are delighted to say that Margaret Whyte, from ExxonMobil at Fawley, has been nominated by Solent Education Business Partnership for an Amazing People Award as a result of her work and dedication in providing work experience opportunities for young people at Fawley.



Carol Bega (far left) presents Sisters Amy Johnson and Emily Brown with the cheque for the monitor, which will enhance the care available to patients such as Joseph (right)

Better care for burns victims

A £3,000 grant from the refinery has provided a welcome boost to medical staff at the Burns Unit of Salisbury District Hospital.

The hospital is a regional centre for burns patients throughout the south and the Channel Islands. The donation has been used to purchase a sophisticated monitor that will enable the paediatric team to observe and assess the condition of the children that are cared for by the unit.

Sister Amy Johnson explains: "Most of the children are suffering from scalds but some have had electrical burns and fire accidents. It's painful and harrowing and anything extra that helps the children is wonderful. We're so grateful to ExxonMobil for their support."

The refinery has supported the excellent work of the Burns Unit over a long period. The recent donation was made via the Stars Appeal, the hospital's own charity. Over the past five years, this has raised millions of pounds to enhance the conditions for patients and families at the hospital.

Carol Bega, Medical and Occupational Health Business Team Leader, says: "We are all excited about this new equipment and the difference it will obviously make to the patients, nurses and doctors. We are also delighted that our long-standing relationship with the Burns Unit continues. Not only do we donate through the Stars Appeal, but members of our Fire Response team give donations and support through the 'Burns Unit Group Support' (BUGS), which provides post-hospital support to survivors of burns."



This is a wonderful piece of equipment that will only improve the care and attention we can give to the children in the unit.

Sister Amy Johnson, Salisbury District Hospital

Come visit us!

Ever wondered how many barrels of oil are processed at Fawley each day? Do you know how many tonnes of chemical products are produced at the refinery annually? Or perhaps you're curious to find out how many ships visit our marine terminal each year?

If you want to learn more, join us on one of our award winning refinery tours.

Visitors must be 16 and over, and up to three people may attend per household. All visitors must bring either a **valid photographic driving licence** or a **passport** with them. To comply with security regulations, this information may be subject to external verification. If you don't have a valid passport or a photographic driver's licence, please contact Lois on 023 8089 6133.



Guests visiting Fawley Refinery on the community tour. Photo credit: Ian Jackson.

Each visit starts with an introductory talk about the refinery in which Dave Dando, a former head of the Environment Group at Fawley, will talk about how the refinery works, and answer your questions.

The talk is followed by a coach tour of the site (please note that visitors aren't allowed to leave the coach during the tour). All tours take place on weekdays, between 1.30pm and 4.00pm.

If you would like to join one, email **christina.riddell@exxonmobil.com** or send the application form at the bottom of this page to: Christina Riddell, Community Affairs, Esso Refinery, Fawley, Southampton, SO45 1TX, giving your full name and address. We will then post an application form to you. **Individuals and groups are welcome!**



Send an application form to

Full name:.....

Address:

.....

.....

Postcode:

Telephone number:

Email:

Objective in visiting Fawley Refinery:

.....

Does anyone in your party have mobility problems?

Do you have a photo passport or driving licence? Yes No

For office use only

The visit will consist of an introductory talk followed by a coach tour of the site. Visitors will not be permitted to get off the coach at any time during the visit. Security searches may occur through bag searches therefore it is recommended that visitors do not bring bags on the tour with them. Only person(s) names on the letter of confirmation will be able to attend the tour. ID, in the form of a valid passport or driving licence, will need to be produced in order to gain entry into the site.