



## 09

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## USA Update by Trevor Penny

In this edition of Catalyst we would like to introduce the team and developments of our business activities in the USA, as well as from various other sites and locations. What has been happening in the USA recently has been a significant development for our group.

I have been fortunate to have been part of Contract Resources since (almost) day one and many of the things we are actually doing today could be blamed on me.... sorry about that.

In the last issue of Catalyst, Bill Stretton spoke about the work that was taking place at Methanex in Motonui and all the people that came together during that time.

When I returned to Australia in 1985 following my 10 month assignment at Synfuels (as it was known then), I was sent to complete an Inert catalyst project in Sydney and the person I was to work with was John Wooten, an American who had come to Australia to assist our old company to develop the catalyst business and it should also be mentioned that the client (Shell) representative on that occasion was actually Paul Wilson.

Many years later when Contract Resources set up in the USA, we entered into a joint venture with Catalyst Handling Service Company (CHSC), a company that was owned by John Wooten's son Chris.

Over time our companies have come together and in January 2009 we merged our businesses to create Catalyst Handling Resources LLC, to carry out all our business activities in the USA and its territories.

Catalyst Handling Resources currently has over 80 team members and we have worked in over 20 states in America and the Virgin Islands. Our clients are most of the National and International Oil and Petrochemical companies and we perform catalyst change outs and mechanical work on turnarounds, projects or in some cases almost on a daily basis.

I would like to welcome all the new team members to the group and trust that together we will have some great achievements, make some new friends and work safely together for many years to come.

We look forward to bringing you more news from the USA and surrounding areas in the future and hope that you are all as excited about this development as much as we are.

## Welcome to the USA Team at Catalyst Handling Resources

In this edition (the next page) we will feature a few people from the management and administration (as it was easier to get their photos) at Catalyst Handling Resources and next issue we would hope to introduce some of the people who make it happen out in the field.

During the first few months of integration we have had some great assistance from "down under". Thanks should go to Sandy Arch who spent around 5-6 weeks in the USA (much of this was in the Louisiana office & eating great food) and Sharon Stretton who spent around 2 weeks here working with staff in Louisiana and Houston.

This enabled the training of staff here in Syncman and CyberOffice. Without this help, we would have struggled to have come up to speed as quickly as everybody has so far.





**Chris Wooten**  
Operations Manager

Chris has been involved with the catalyst business on and off most of his life it seems. His father's involvement with the industry brought him to Australia for around 5 years in the 1980's. For the past 10 years, he has been looking after the operations of CHSC in the USA and before that was involved with various other companies in the USA performing Catalyst Changeouts.



**Glenn Richard**  
Sales and Estimations Manager

With over 20 years experience in the Catalyst Business Glenn adds a great deal of experience to the company. Glenn has completed work throughout the USA and Asia during this time. Glenn is a big LSU (Louisiana State University) football fan as well as sailing in his spare time. Based out of the Louisiana office, Glenn is involved with most of the proposals that we submit to our clients.



**Clyde Williams**  
Operations Co-ordinator/Manager Southeast

You will usually find Clyde in the Louisiana office worrying about where all the people and equipment are going or what they have been doing. Clyde has many years experience in the catalyst business and is an important part of the team over here.



**Mack McBurney**  
Commercial Manager

Mack has only recently joined our team and is currently working at integrating all the systems so we can keep our company accounts in order. Mack has come from a diverse background and this has ranged from working in the hardware business to financial analysis.



**Andre Folse**  
Sales and Business Development Manager

Andre is based out of the Louisiana office however, he also spends a lot of his time out visiting clients and realizing opportunities as they arise. Andre's background was also in IT before, so he assists us greatly with the little gremlins that get into our computers and systems from time to time.



**Ruth Langlinais**  
Louisiana/Operations Accounts

Based in the Louisiana office Ruth offers great support and knowledge to the team working out of there. Working in all aspects of accounts, purchase orders and chasing suppliers Ruth is certainly involved with it all and has many years of experience in the business.



**Tony Sidonio**

Tony has had many years experience with various Industrial Services companies on the East Coast of the USA and currently oversees the Catalyst Handling Resources operations there and he is based out of the Delaware office. Tony's unique style of driving will keep you on your toes should you happen to visit the area.



**Ron Bungard**  
Jack of all trades

Ron has been missing out on being featured in the Catalyst magazine over recent editions, so we thought that we needed to introduce him properly. While Ron is from the South Island in New Zealand, he has spent most of the past 2 years working in the USA and South America. The magazine will never be the same again!!!



**Sheila Senior**  
Operations Payroll

Also based out of the Louisiana office Sheila not only puts together all the payroll and per-diems for the crews of people that are working out in the field and around the country, but assists with anything else that needs to be carried out in the office. It will often be Sheila's friendly voice you hear when you call the offices over there.



Photo - Marcial Cevallos

### Marcial Cevallos

Recruitment

Marcial is usually seen walking around the office in Houston with 2 or 3 phones stuck to his ear when he is manning up for some large projects here in the USA. As usual all the work here often comes at the same time or gets delayed at the last minute so Marcial has to do his juggling act with people often at the last minute and with keeping up with developments on the sites... as you can see in the photo his desk is always tidy as well.

## USA Staff Updates

Just to give you an idea of what is happening with the people we introduced in earlier editions of Catalyst and what they are up to since the changes occurred. Krysta White has relocated from the Houston office to help out with operations and accounts to the Louisiana office, Ira Westerfield and Peter Crouch are still out in the field all over the country, Shayne Torrns is still based out of Houston taking care of safety & training respectively.

# USA Projects

## Sth America Update

While 2008 was a quiet year for Contract Resources and Nexxo in Chile, we were kept busy on a couple of projects in Argentina so we were able to keep up with our Spanish lessons. The two projects were completed for Repsol-YPF and Profertil.

As reported in the last Catalyst magazine, we completed two NHT-Coker Reactors at Repsol, La Plata in Argentina. This plant is situated around one hour's drive south of Buenos Aires and the project went extremely well.

Following this project we moved our equipment to Bahia Blanca, this is around six hours drive south of Buenos Aires to unload and reload a large Ammonia Converter for Profertil. Those of you who have completed a Catalyst Changeout on an Ammonia Converter know that they can keep you on your toes, however, the site was very well set up to assist with the work and this project went extremely well with no incidents.

After the La Plata project, we had a team of people from Nexxo travel to Houston for Confined Space and inert entry training. This was completed at the offices of Contract Resources in Houston and was overseen by Shayne Torrns (EHSQ&T Manager USA) at various training grounds and locations in the area.

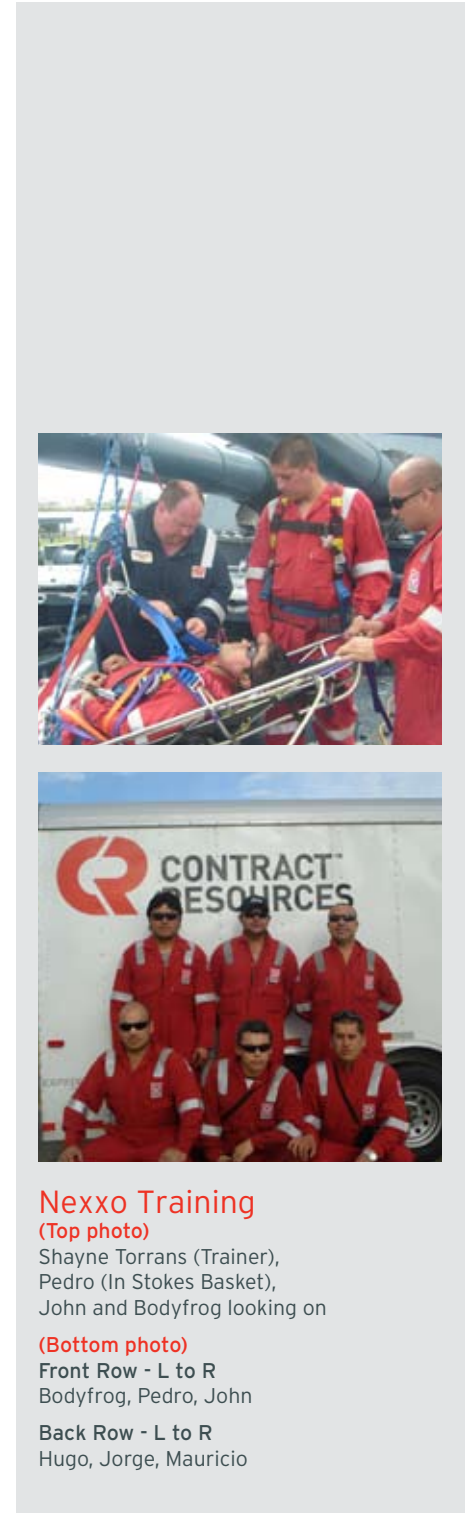
We have recently shipped a second Life Support, Vacuum and Catalyst Handling Equipment system to Latin America, as there are some large benefits for our clients if this is based in the areas due to the geographical restrictions. We will now be in a position to cover multiple projects in multiple countries in Latin America in the future and now with having local technicians (that speak Spanish better than we do) will assist us even further.

As usual the teams from Nexxo & Contract Resources worked well together again and all the work was completed on time and safely, thanks to the effort of all the people involved with the teams.



Photo (Top) - Ammonia converter in Profertil. Preparation for the removal of the top basket

Photo (Bottom) - Look Up in the Sky... it's a ???.... Preparing to lift the internals of the ammonia converter



### Nexxo Training

(Top photo)

Shayne Torrns (Trainer), Pedro (In Stokes Basket), John and Bodyfrog looking on

(Bottom photo)

Front Row - L to R Bodyfrog, Pedro, John

Back Row - L to R Hugo, Jorge, Mauricio

# USA Projects (cont)

## Linde Project

### Coffeyville Kansas

During October 2008, Contract Resources completed a turnkey project for Linde Gasses (formerly BOC) at Coffeyville in Kansas, USA.

The project involved the unloading and reloading of sieve material from two vessels and the replacement of internals as well as some additional fabrication and modifications.

We were fortunate that we were able to involve a few people from "down under" with experience in these vessels and this included Paul Wilson as the Project Manager with support from Jason Howie, Ron Bungard and Paul Dravitzki. This made it much easier to ensure that we maintained the quality and tight time frame that this project required.

The working relationship with the people on the site was excellent and it was a true team effort. This approach really assisted everybody to achieve all the targets that were set for us on this occasion.



**Photo (above) -**  
the crew on the Linde Project

**Photo (right) -**  
Aerial view of the Coffeyville site



# Site Updates

## Caltex Kurnell **First Quarter Report** - by Peter Konchenko

Caltex Kurnell experienced a fast paced commencement to 2008 with Plant4 Cracker unplanned shutdown. With senior experienced members of the crew away on projects, the team was put to the test and responded well working very closely with the client through each phase of the project. CR's response and experience and safe approach was acknowledged by the client.

The rest of the year progressed with a steady flow of projects with a rigorous bundle cleaning program, growing tank schedule and polyreactor change outs.

Of particular note would be recognition from Caltex management by the awarding of all capabilities surrounding poly reactor work. This captured civil, mechanical and industrial cleaning. This project also saw a solid revision of company and site rescue policy procedures with good interaction with Caltex management and recommendations from CR's. New methods and procedures were developed as a result of CR controlling the smooth transition of the civil, mechanical and industrial cleaning and will be the standard for future polyreactor work- setting new standards.

Savings achieved on site reached approximately \$380,000 with an ongoing focus to constantly improve efficiencies

and safe execution of every task, carrying through to small day-to-day maintenance tasks. Well thought out input and recommendations from the crew has been the foundation to growing morale and pride in finalizing tasks. Three members of the crew have subsequently been requested to be ambassadors for IIF (Caltex safety initiative).

Caltex's Loss Prevention System (LPS) has been better utilized in 2008 with an increased number and quality of tools being entered that encourage challenging of current methods. CR's safety record at Caltex Kurnell is excellent and consistent.

Several initiatives for better site presence are underway with support from Caltex.

Waste management is a focus once again with SLT being brought forward as a viable option for ongoing sludge processing and reclaiming.

Maintenance continues to meet reliability KPI's despite stretched equipment availability due to the volume of work. This has been made possible by excellent people, equipment and time management through strong client networks by site supervisor Morehu (Tee) Te Awa.

Administration continues to be strong with Jenny Morgan managing project costings, shutdowns, daily timesheets, contract management and LPS inputs and reporting. Jenny is a key to our smooth running in this regard.

Site management focus will be for a push in uncovering opportunities for chemical cleaning, intelligent pigging, decamex and neutramex, SLT, increased grit blasting and painting.

## Shell Clyde

**Christmas Party** - by Suzanne Gaffney



**Photo** - Shell Clyde Christmas party was enjoyed by crew and partners on the good ship MV Walsh Bay.



**Photo** - At the Christmas party all areas were supported with Gray Gardner; Karl Cromarty; Glenn Lockhart; Steve Fleming and Suzanne Gaffney enjoying the entertainment.

## Shell Clyde

**First Quarter Report** - by Suzanne Gaffney

After a year of extended shutdowns and the refinery becoming a terminal in 2008, Shell decided to continue as a terminal for the first quarter of 09, with meetings to discuss requirements to ensure the longevity of the business given the current climate.

The Operators EBA was finalized and registered through the AEC on the 10th March.

**After reviewing 2008 with workload and innovations with Shell Management, we have delivered savings of \$1.118M to their bottom line.** A majority of the savings has been in waste management, by negotiating better agreements for Shell in waste suppliers, or by recycling product on site. For instance processing product through the SLT.

There are several innovations for a better safer way to complete a job with financial benefit.

There has been an increased emphasis on base load maintenance work to support the "No Oil to Deck" requirement for Shell which has included several 24hr shifts

on Interceptors; some 300hrs have been logged so far.

Tankage is busy with three tanks underway and another 4 to complete by year end. Phil Hunt Tankage Supervisor has also been supporting Kurnell's business.

There is a campaign on additional cold cut work with one estimate to the client for cutting up the floor on Tank 45 and processing the product through the SLT saving \$200K. Also Cold Cutting pipes, drains and tanks. Also, cutting holes in the shell of a tank to decrease product viscosity.

Coatings have increased their workload by 30% with 3 new painters being hired and now includes Gore Bay.



**Photo** - Karoke princesses were everywhere no more so than with Kim Mackie; Emie Payet and Zoe Sin.

## Shell Clyde

**Waste Management**

The Waste Management area continues to produce good results with cost savings and a better way of waste recycling.

- Which includes mixing P1 waste with general waste to **reduce the disposal cost by \$31500**
- Using alternative waste removal company for waste on TK6033 - **saving \$60,000**
- Using alternative waste company (during R&R) for removal general waste with **saving \$21600**
- Suggesting client uses alternative steel merchant to sell steel for R&R turnaround **cost benefit of \$156,000**
- Removal of dirt off plot using alternative supplier than Shell contractor - **saving \$54000**
- Amine re-packaged as solution - **saving \$24000**
- SLT processing of onsite waste - **saving \$493352.00 per annum**

This has been achieved by being given responsibility for disposal selection from client and correct sampling protocols.

**Photo** - Cold cut at work, cutting up floor

# Site Updates (cont)

## Caltex Lytton

**Wrap Up** - by Mike Daniels & Mike Rooney

2008 saw major changes for CR at Caltex Lytton with Clyde Dorman moving on to take up the role of Area Coordinator - Qld/PNG and Mike Daniels taking over the role of Site Coordinator.

Mike was previously Environmental Coordinator at Shell Clyde and his knowledge in this area is already being felt at Lytton with major initiatives being discussed with Caltex.

Lytton has been a very busy site over the past 6 months with a small shutdown in October followed by a major unplanned outage which started just as Christmas was getting into full swing. This required the assistance of local, interstate and international technicians and expertise.

The impact of this unplanned outage was felt across Queensland as fuel supplies in some areas became very limited.

Caltex were vocal in their appreciation of the work and effort put in by CR over this period and especially to Mike Daniels and Paul Collinson for coordinating and planning multiple activities.

In January more major projects followed with Chemical Cleaning to all new pipework associated with the new DHTU unit and Mechanical and Catalyst Loading work to the new reactors and vessels in this area.

This work was carried out for Downer EDI under the auspices of Paul Wilson and Steve Iremonger for the Tower & Mechanical work and Chris Lawrence, Glenn Muriti and Clyde Dorman on Chemical Cleaning ably supported by Neil Mahoney.

## Focus

With a small base load crew the focus has been to increase the availability of local labour to support the increased demand on our services.

This has been achieved in conjunction with training and multi skilling in areas such as dogging and rigging to allow bundle pulling activities to be carried out by local technicians and mechanical fitting to allow us to undertake work 'blinds to blinds' on vessels such as Poly Reactors.

South East Queensland now has a larger, skilled workforce available to service clients in the region with Mike and Clyde working closely together to ensure optimal use of our resources.

Paul Collinson and Andrew Patterson have both undertaken the first stage of the Supervisor Training Programme.

## Outlook

2009 is scheduled for Turnaround and Inspection of the refinery and CR have been successful in tendering for Catalyst, Tower/ Mechanical and Industrial Cleaning components of the T&I and may be successful with other packages which have yet to be awarded.

This work will commence in late August and run through September and involve up to 80 technicians.

# Safety

## Caltex Kurnell

**Safety Update** - by Peter Konchenko

CR's Caltex Kurnell crew remained very strong with 86,000 hours with no injuries during the period November 2006 to present. A credit to the crew who have a great attitude to the safety of others and themselves.

Safer more efficient methods are under development for quartz reloading in poly reactors.

New methods in unloading acid from polyreactor eliminating risks.

New procedures introduced monitoring equipment and personnel movement out of hours.

Decisive push by CR in relation to issuing of waste permits. Improved response time and availability of permits for more efficient work.

Strong relationship forged with environmental department at Caltex.

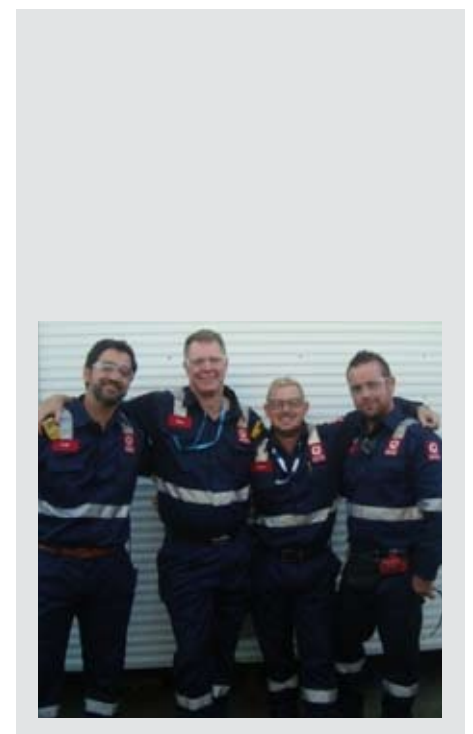
Information sessions and training set for CR crew regarding environmental responsibilities and understanding.

## Fire Retardant clothing has arrived at Shell Clyde

modelled by (left to right):

Louie Kiss  
Glenn Lockhart  
Adam Mackie  
Phil Hunt

**Photo** - Fire Retardant clothing has arrived at Shell Clyde as per client requirements



# Shell Clyde

**Safety Update** - by Suzanne Gaffney

The workforce completed 2008 with better than 63,235hrs for the 12 months and 2 recordable injuries.

The Drug & Alcohol testing of the Fit for Work policy was rolled out with Shell's and CFMEU support.

Tank83 is an acid tank and the crew has completed a robust method statement prior to job start. Good job.

Crew on Catalyst rebagging came up with a better way to do the job safety and with saving the client in the vicinity of \$10K, by removing the need for scaffolding. Instead using a forklift and hopper to rebag catalyst from 1tonne bags to drums.

Crew on drain cleaning stopped the job and challenged the process because they believed they were in a confined space, after discussion with Supervisor and Safety Coach the work method, PPE, JSA was changed.

Intervention on scaffolders working without being hooked on or having a harness.

Also, stopping a job because a third party supplied a pump that was petrol driven.

# Safety is Child's Play

**Photo** - CR Kids - Alicia Putland; Ruby Kiss; Jake Putland and Lana Kiss demonstrated that Safety is Kids play in a backyard demo



# Safety Update

## March Safety Update

by Graeme Diprose

During the month of March we worked 80588 hours and experienced 1 incident requiring First Aid and 1 of an Environmental nature.

There were no Medical Treatment Injuries or Lost Time Injuries during this period. However there appears to be an increase in the amount of Motor Vehicle Accidents and Equipment Damage Incidents when compared with February statistics. I would like to take this opportunity to remind those drivers of HR/HC vehicles that when reversing vehicles it is important to have a guide available to alert you to potential obstructions. This would assist in reducing the incidents of vehicle damage and property damage.

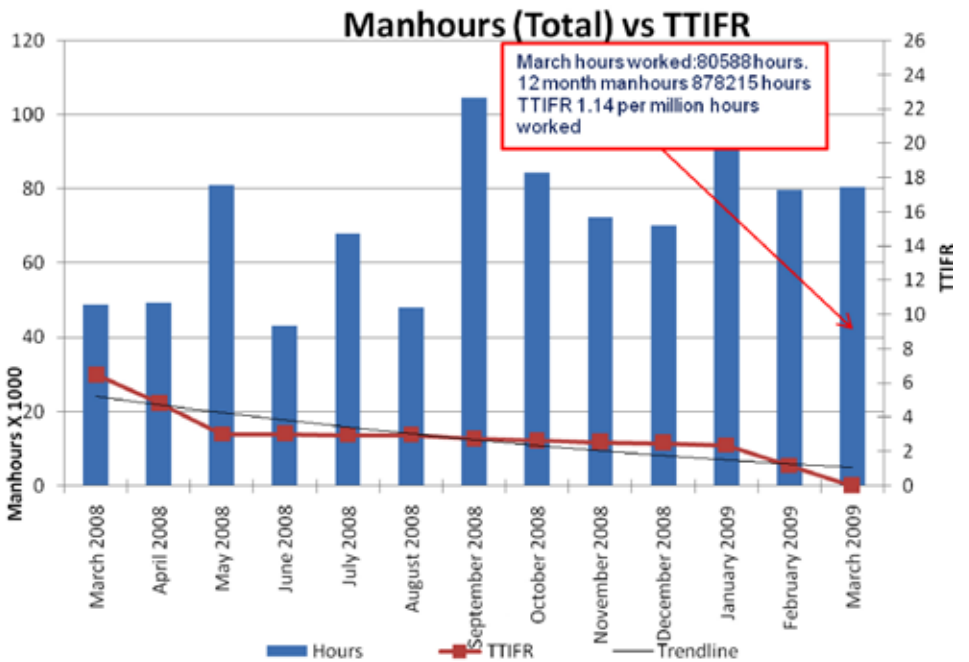
We are still in the process of reviewing procedures and Safe Operating Instructions. Safety Reset Week has been held during April and May and was again a very successful focus on our most important drive "Zero Harm".

Work has commenced on getting us up to speed in order to obtain ISO 14000, 14001 Environmental Management Standards Accreditation. We aim to be accredited by March 2010.

The BP Audit conducted in February was very positive for Contract Resources with a 97% result, following that result CR received 3 of BP South Australia's top

Hours worked since last LTI (July 06): 1,906,845

Lagging Indicators	Frequency Rate / 1M hours	Frequency Rate / 200k hours
LTIFR	0.00	0.00
TTIFR	1.14	0.24



contractor awards (large Overall Contractor of the Year, Service Performance Large Contractor and HSSE Assessment Large Contractor ) with all 3 awards in recognition of service excellence.

Contract Resources received a Contractor Health Safety & Environment Safety Award from Chevron Australia for Outstanding Contractor. This award was for the effort put in by all staff working on the Barrow Island SLT Project in completing the project incident free and a job well done. Congratulations to all involved.

Training has been a big emphasis over the past months with the collation of certificates and training information being updated in the new training data base.



# New Employees

## Charlotte Gelder

### Quality Documentation Administrator - Adelaide

We are pleased to announce that Charlotte Gelder has accepted the role of Quality Documentation Administrator based in the Adelaide Office following the resignation of Patricia Demaria who held this role previously.

Charlotte joined CR in January this year to assist with the implementation of SharePoint and Charlotte will now take on a lead role to continue the roll out of SharePoint and further develop our Quality Management Systems.

Charlotte has substantial experience with SharePoint, Quality Management and CRM systems and is a real benefit in this role.

We wish Charlotte all the best in her new role.

#### Contact Details

Phone: (08) 8326 5060 extn 249

Email: cgelder@contractresources.com



Photo - Charlotte Gelder

## Julie Howie

### Administration Assistant - Brisbane

We are pleased to announce that Julie Howie has accepted the role of Administration Assistant based in our Brisbane Office. Julie has held a variety of administration and logistics roles over the last 10 years and has recently completed a contract at Caltex Lytton with Transfield Services. Julie will provide valuable support to Mike Rooney in QLD and also to Mike Daniels and his team at Caltex Lytton Refinery.

#### Contact Details

Phone: (07) 3890 8135

Email: juliehowie@contractresources.com



Photo - Julie Howie

## Lisa Hughes

### Administration Assistant, Planning / CR Travel - Adelaide Office

We are pleased to announce that Lisa Hughes has also joined us in the Adelaide Office as an Administration Assistant. Her primary role is to provide support to both the People Planning and CR Travel functions. Lisa has spent the last three and a half years as an Administration/Logistics coordinator with a local waste management and recycling company.

#### Contact Details

Phone: (08) 8326 5060 extn 231

Email: lhughes@contractresources.com



Photo - Lisa Hughes

## Phillip Jones

### Sales Support Officer - Chemical Solutions

We are pleased to announce that Phillip Jones has accepted the role of Sales Support Officer with Chemical Solutions. Phillip has a strong background in sales and will provide valuable support to our business.

#### Contact Details

Phone: (08) 08 8326 5060 extn 251

Email: pjones@contractresources.com



Photo - Phillip Jones

## Glenn Lockhart

### HSET Coordinator for the NE Region - Sydney Office

We are pleased to announce that Glenn Lockhart has joined CR Eastern Region as the new face of safety, he will be based from our Bankstown Office in Sydney. Glenn has had 23 years experience in operational and training roles with the NSW Fire Brigade and has recently worked with a variety of businesses delivering training and safety initiatives. Glenn will initially spend the majority of his time at Shell Clyde however will provide support as required to other facilities and work groups within the Region.

#### Contact Details

Phone: (02) 9771 4355 / Mobile: 0438 099 435

Email: [glockhart@contractresources.com](mailto:glockhart@contractresources.com)



Photo - Glenn Lockhart

## Amanda McCourt

### Administration Assistant - Northern Territory

We are pleased to announce that Amanda McCourt has accepted the role of Administration Assistant for the Northern Territory. Amanda has a strong background in office administration and joins us from Territory Marine. Amanda will provide valuable support to Brendan Johnson based in the Darwin Office.

#### Contact Details

Phone: (08) 8947 1368

Email: [amccourt@contractresources.com](mailto:amccourt@contractresources.com)



Photo - Amanda McCourt

## Mark Benjamin

### Chief Financial Officer (CFO) - Auckland

Mark will be taking over the position that Sharon Stretton has held since the inception of the company in 1989 and will be working to further improve our financial management and accounting processes. Mark has commenced on a part time basis with us until the 1st of May when he will take the reins full time as Sharon steps back, takes a breath and focuses on NZ and a group accounting support role.

#### Contact Details

Phone: +64 9 265 2083

Email: [mbenjamin@contractresources.com](mailto:mbenjamin@contractresources.com)



Photo - Mark Benjamin

## Kate Simpson

### Administration Assistant - Melbourne Office

We are pleased to announce that Kate Simpson has also joined us in the Melbourne Office as an Administration Assistant. Kate has spent the last few years overseas due to her husband's employment and has a strong administration background with a variety of businesses. Kate will be a valuable asset to the Melbourne based team as we continue to expand.

#### Contact Details

Phone: (03) 9399 9777

Email: [ksimpson@contractresources.com](mailto:ksimpson@contractresources.com)



Photo - Kate Simpson

## Karen Schilling

### Assistant to GM Australia - Adelaide Office

We are pleased to announce that Karen Schilling has accepted the role of Assistant to our General Manager and Australian Management Team. Karen has held similar roles over the last seven years and joins us from AMP Capital where she was an Executive Assistant to a team of senior managers. Karen is based in the Adelaide Office.

#### Contact Details

Phone: (08) 8326 5060 extn 228 / Mobile: 0447 712827

Email: [kschilling@contractresources.com](mailto:kschilling@contractresources.com)



Photo - Karen Schilling

# People on the Move

## Wayne Wilson

Wayne Wilson has been appointed HSET Coordinator for New Zealand. Wayne was in the Projects Team for a number of years and is well qualified for the role. He has had to hit the ground running and has been busy organizing training for project specialists and branch staff and overseeing several large projects.

He has also just graduated with a Diploma in Health and Safety through the NZ Institute of Management.



Photo - Wayne Wilson

## Steve Lindsay

Send Steve Lindsay anywhere and he's sure to make himself at home. His last New Zealand assignment is no exception. After arriving in New Plymouth for what was to be 'a few months', he and Mary head back to Australia in April after 14 months supervising re-commission projects for Methanex.

However during his stay he couldn't resist a few bargains. Notably a Harley motorcycle, a boat and a new Suzuki car. No doubt the car was a peace offering to Mary for the other purchases and a slightly longer stay than anticipated.



Photo - Steve and Mary with a few new toys

## Sandy Arch - Company Secretary

Sandy Arch has now started in a new role with the Company as Company Secretary. In this new role Sandy reports directly to the CEO to ensure:

- Companies comply with all statutory and legislative requirements and act as company secretary
- Insurances for the Australian companies are adequate, maintained and current.
- Statutory compliance for equipment and vehicles in Australia
- Compliance with the Corporate Governance, Delegated Authority and other high level corporate policies and procedures as directed by the CEO and maintaining an audit schedule against these policy and procedures
- Consistency and clarity in corporate communications with staff and the general public
- Management of legal services and compliance with commercial requirements in tenders and contracts as per policies, procedures and guidelines
- Assist the CEO with group administration and commercial compliance as required
- Reporting of commercial and risk issues as directed by the CEO

Sandy's previous position is now being shared by Kelly Lovett, Shirley Golding and Kevin Locker.



Photo - Sandy Arch

# Office Moves

## New Warehouse/Offices - WA

by Barclay McGhie

Due to the expansion of CR in the NW region, it was very apparent that space was becoming a real concern; not to mention that at the old premises in Welshpool it had one of the first IT line installations in Perth making internet access times impossible.

An opportunity arose to move to new premises located in Canning Vale (20 minutes from anywhere in Perth). It took some months to find suitable premises as at that time suitable warehouse/office space was a "mission impossible". However with perseverance 47 Catalano Circuit Canning Vale was secured.

### New contact details

Tel: 08 9455 7046

Fax: 08 9256 1301

The size of the new warehouse is approximately 800m<sup>2</sup> and has been fitted out with essential shelving, designated storage areas for tools, HSE PPE and the relevant equipment, Brad has got the warehouse looking in line with a Formula 1 race teams garage.

Our offices are also well equipped with a second floor giving space and privacy. It's also great to have new internet ADSL lines.

Given another 2-3 years with growth, a satellite lay down area in Perth may also be required.

Photos - exterior view (top) warehouse (bottom)



## CR New Zealand Opens New Mount Maunganui Branch by Bill Stretton

In November the Central North Island opened their new satellite branch in Mount Maunganui. This complements the existing base in Hamilton and means CR can offer clients in the region an unparalleled call out service. This is particularly important to large clients with multiple plants like Fonterra and Carter Holt Harvey.

New Vacuum Trucks and HPWJ units have been commissioned to support the new branch, which is supervised by Marcus Foster.

The opening function was well attended and gave CR staff the opportunity to show off some of the new equipment.



**Photo** - Staff and Clients attending the Mt Maunganui branch opening function

# Employee Recognition

## Shell Clyde Streetsweeper Award

by Suzanne Gaffney

Greg was voted by his workmates as the worthy recipient of our Streetsweeper Award for taking on the role of Supervisor with short notice when Adam and Louie were off.

**Photo** - Greg Putland



## Good news in relation to BP

by Richard Visscher

Our longstanding good relationship with BP Australia has now resulted in an Australian wide agreement for the provision of Industrial Services.

As part of our agreement and because we are amongst the major contractors to BP South Australia, we are subjected to annual rigorous audits and evaluations.

This year we were invited to a BP Contractors Accreditation Award Dinner where we were handed three out of three

prizes to win in our category: one for best HSE performance, one for best service and one for Overall contractor of the year.

This is a fantastic result and is testimony to our great efforts, client focus, safe work practices and high efficiency.

It is also great to work for clients who recognize our efforts!

**Great work and well done to all involved!**



**Photo Above** - Large Overall Contractor of the Year Plaque

**Photo Below** - John McCormack Snr and Michael Fitzgerald with awards



# Conventions

## CR promote services at the AOG Conference Perth

February 2009 - by Chris Lawrence & Barclay McGhie

AOG (Australian Oil Gas) is the premier oil and gas industry exhibition in Australia and the largest oil and gas conference in the Southern Hemisphere. Contract Resources attended and advertised our current services at this conference in Perth last month, this was over a 3 day period with over 300 stands.

Many thousand attendees walked through the conference and a number of enquiries were made from companies and technical visitors and this has created many follow up leads following this conference.

CR stand was looked after by Barclay McGhie, Chris Lawrence, Adam Washington and Mike Charles, with supporting visits made from Andy Wells and Richard Visscher.

Steve Budd from Zyme Flow USA attended as a CR guest to help with technical questions and assist CR in selling their products to new and potential clients.

Brendan Johnson was an invited guest for the Northern Territory Government, who advertised CR services on their stand.

The 3 days was a very successful event for CR and it was very encouraging to see the interest in the CR stand and interest in our services that we can provide to the industry.

CR has come away from the exhibition with strong follow up enquiries which we all will be looking to convert into future project working relationships.

**Photo** - Barclay McGhie and Mike Charles manning the Contract Resources stand



**Photo** - Contract Resources stand



**Photo** - Barclay McGhie and Chris Lawrence at the Contract Resources stand

# Training

## Supervisor Development Program

by John Moore

The role of Supervisor has changed in the last years and the responsibilities of this role are increasing. The role of supervisors is also much better defined now than in the past. The organisational, motivational and technical expertise of this group is of importance to growth and sustainability of our company.

The supervisor program is designed to train and develop the candidates to be very effective supervisors in a continuously changing and demanding environment.

This program will be run over a two year period with continual up-skilling with personal and professional development of the Supervisor group and individually in their respective technical fields.

The program commenced in 2009 with two groups being trained in Adelaide 14th - 16th Jan and Sydney 28th-30th Jan. with participants from all regions in Australia and New Zealand.

The initial 3 day program included such topics as:

- **Managing Yourself** - (Personal skills for supervisors) and Developing effective workplace relationships.
- **Managing People** - Building a productive team, leading and motivating others.
- **Managing Operations** - Identifying your customers and meeting their needs, making continuous improvements.

### Adelaide Course Participants (below)

Kevin Dynes, Henry Simeon, Paul Collinson, John Moore (Co-facilitator), Adam Webb, Adrian Reynolds, Tim Smith (Course Facilitator), Louie Kiss, Clint Conneely, Phil Hunt, Paul Thew, David McCormack, Robert Old, Shannon Longuet-Higgins.



The program was class room based with excellent interaction from all participants in the theory and practical components, role plays and practical exercises kept the interest and enthusiasm strong throughout.

A Disc Personal Profile was completed on each person to highlight their leadership and coaching skills. The next stage is for each Supervisor to submit a Supervisor Workplace Project that once assessed by an RTO will give them 3 modules towards a Cert IV or Diploma in Front Line Management.

The course was facilitated by Tim Smith (Tim Smith Consulting) who established an invaluable rapport with the participants early in the course with his ease of delivery and the ability to get the purpose of the course communicated to all.

An enjoyable and valuable course that I would recommend for not only Supervisors but Managers within CR. Excellent feedback was received from all participants.

A further Supervisors Development course will be run in the near future to capture the Supervisor candidates that were unavailable to attend the first two sessions.

Date TBA.

## Training Update

### Shell Clyde

by Suzanne Gaffney

Training has been conducted for 35 people doing their Senior First Aid through January.

Also truck drivers have completed their Dangerous Goods licenses:

**Mark Reynolds, Tom Higgins, Terry Lennon, Adam Mackie, Jason Nicholson, Jamie Inman, Jason Waddell, Julio Cortes, Adrian Reynolds**

National Confined Space has been completed with 6 shell Clyde crew for project work off site:

**Attila Veroes, Brendon Shearer, Jamie Inman, Joel Stafford, Mike Tihema, Ray Malcolm**

Everyone attended some Hazard awareness training to support identification through JSA's and risk assessment.

Training ongoing with Shell for Barrier Thinking to keep the information fresh.

### Sydney Course Participants (below)

**Back row:** Barry Kingsley, Graham Clegg, Tim Smith (Course Facilitator), Stuart McCance, Evert Leroux, Neil Mahoney, Andrew Patterson, Marcus Foster. **Front row:** Bill Hardegon, Adam Mackie, Morehu TeAwa, Ray Langlois.



# Training (cont)

## Inert Entry Course - NZ

by Wayne Wilson

The Final Inert refresher course for 2008 was conducted on 15th of December at Vertical Horzionz training facility in Auckland New Zealand. This course was targeted for those technicians and supervisors requiring recertification of their Inert Certificate, so that they can continue working on Catalyst projects throughout the globe.

This intensive course held over a 3 day period is designed to refresh the requirements of technicians who work on Catalyst projects and covers a range of courses including: Enter confined space, Plan a Confined Space, Perform Gas Testing, Undertake Confined Space Rescue, Participate in a Rescue Operation, Operate Breathing Apparatus, Employ Fall Arrest System and Work in Accordance with an Issued Permit.

It was the first time Contract Resources have used the Vertical Horzionz training facility for this type of training, and we found it to be the perfect facility for our training needs within New Zealand. This course also consolidates our relationship with Vertical Horzionz as the preferred supplier for this type of training.

- Trainer:** Bruce Mazengarb
- Assistants:** Stephen Iremonger  
Wayne Wilson
- Attendees:** Ash Ngaia, Dion Ayers, Jason Howie, Leon Nicholls, Ronald Bungard, Stephen Dravitzki, Steve Lindsay, Compton (Bill) Hardegon, Michael Charles, Shaun Hall, Barry Kingsley, Damian Rahui, Lee Waerea

Photos - Inert Entry Training Course



Hard at work in the classroom, the crew enjoy some much needed bonding sessions



Dion and Bill working together to ensure Damian is connected to the griptech



View of Vertical Horzionz working at height Platform



Damian being rescued by none other than one of the Dravitzki twins! (Steve)



The crew are working well together to perform a rescue using the flexible stretcher and grip tech

## Training Update - Caltex Kurnell

by Peter Konchenko

Two more staff trained/qualified in dogging and rigging, resulting more permanent crew as competent bundle pullers- also benefitting other projects.

Supervisor's course undertaken has seen rapidly growing development of site supervisors and the course assignments have engaged the client and resulted in excellent feedback with noted results.

All permanent staff and regular casuals trained in first aid. Benefits noted only weeks after when symptoms of potential heart attack observed and relevant steps taken.



Photo - AM001 Bundle Puller

# Confined Space Entry - Australia

by Glenn Lockhart

Contract Resources personnel are often required to enter Confined Spaces during the course of the day and the Confined Space can be anything from a vessel or a column, a sludge pit to a waste bin.

Confined Space training is therefore a vital component of our education for the work we undertake. Confined Spaces can at times be problematic, if there is no DANGER CONFINED SPACE sign posted is it a confined space or not? Often client demands may put pressure on a technician to enter into an area that looks like a confined space but has no confined space signage.

## What then is our obligation to the client?

Recently, we had two of our Contract Resources crew test the standard (AS 2865-2001) against the space they were to enter. They were uncomfortable with the space they had to enter and made a safe, sensible and ultimately correct call not to enter the space until all appropriate criteria and permits were met.

A good rule of thumb is, if it doesn't look right it often isn't!

It is also extremely important to note that over 60% of fatalities in a confined space are rescuers, people like you and I trying to assist a fellow worker, who may have collapsed while performing a task.

Human nature will tell us to jump in and help, but without the proper training, education and equipment we run the risk of becoming another statistic.

## So what is a Confined Space?

"A confined space is an enclosed or partially enclosed space that is at atmospheric pressure during occupancy and is not intended or designed primarily as a place of work, and -

- is liable at any time to -
- have an atmosphere which contains potentially harmful levels of contaminant
- have an oxygen deficiency or excess or
- cause engulfment and
- could have restricted means for entry and exit

On the 17th 18th and 19th March, six of our Shell Clyde personnel undertook a three day Nationally Accredited Confined Space course conducted at the new built for purpose Protector Alsafe site in Chipping Norton.

The course covered off all the criteria advised by AS2865-2001.

Including: Confined space hazards, risk assessment, control measures, emergency procedures, selection use and maintenance of safety equipment and legislative requirements. The three days contained plenty of physical activity and scenario based learning.

Feedback from the guys attending was positive and they look forward to bringing their skills back into the workplace and sharing their knowledge.

## Course Participants:

Mike Tihema, Joel Stafford, Attila Veroes, Raymond Malcolm, Brendan Shearer

## Photos - Confined Space Entry Training



Joel Stafford looking splendid in his confined space harness



Attila Veroes acting as stand-by person, maintaining communication with persons inside confined space



Ray Malcolm and Jamie Inman checking cylinder contents on air line



Mike Tihema and Attila Veroes, the emergency response back-up team standing by. Joel Stafford checking entry and exit times

## New DG Vac Truck AVT030

### Demonstration by John Moore

The third and remaining group of Supervisor candidates attended the initial 3 day Supervisor Skills Workshop in Adelaide on 21st-23rd April 2009. As the course attendees were from both regions in Australia as well as New Zealand the opportunity was captured for Neil Morris (Senior Project Engineer) managing the Vacuum Truck Building program to deliver an information session on the new features and operating controls/measures to the group.

The session was well received by the operational personnel as it presented an opportunity for ideas to be exchanged between the designers of the trucks and the operators and highlighted the need to keep this type of communication going as an ongoing process with equipment design.

Personnel attending the course were Anthony Orel (Shell Clyde), Brad Young (Western Australia) Jai Smith (Northern Territory), Tom Te Awa (Caltex Kurnell), Mick Dagg (Mobil Altona), Andrew Greenhill & Steve Oakley (New Zealand), Brenton Winn & Laurie Crute (South Australia).

NB: This was not a formal training session describing operating procedures with assessments being carried out but more of an information/communication session between the two groups.

Thank you to Neil Morris for delivering this session at such short notice.



Photo - Neil Morris delivering an information session to a group of CR Supervisor Candidates on the new features and operating controls

# Major Projects

## Caltex Lytton

### unplanned shutdown 08/09

by Mike Daniels

The CR leadership team at Caltex Lytton would like to thank all personnel who freely gave up their Christmas and New Year festivities to pitch in when needed for the unplanned maintenance at the refinery during December and January.

Contract Resources were able to assemble a composite team from within Australia and New Zealand of project specialists to complete a monumental task of projects.

Having an experienced crew enabled us to break new ground in tackling projects such as 4C11; a Poly Reactor blind to blind, hydrotesting of exchangers 11E5, 11E7 and a high pressure tube clean of 11E14.

Our biggest challenge lay in the unloading of the Regenerator 3C5 and FCCU Reactor 3C6 of catalyst and the subsequent removal of coke and refractory. This monumental task was completed by CR under trying conditions working around the clock, with all parties supporting the onsite leadership team who were ably supported by our technical specialists in Gray Gardner, Paul Thew, Steve Iremonger and Clyde Dorman.

Other challenges included 1BF1 Heater, pulling the bundle on 1BE24 (pulled twice) to replace the shell gasket, and 12C29 CCR screen cleaning.

This was good learning curve for all involved and was completed safely.

Sourcing personnel over the Christmas period was difficult but a team banded together to complete the tasks.

Caltex was very impressed with our performance and commitment to assist them in preparing the vessels to re-enter service. Our efforts showed we are providing a reliable, safe and professional service that the Refinery can count on.

Personal thank you to Paul Collinson for filling the role of supervisor, Paul Thew, Gray Gardner & Clyde Dorman for their valuable contribution whose experience and guidance helped us through the FCCU shut and to the following who worked long and hard to bring the refinery back on line: Tony Herceg, Lee Warton, Mike McMahon, Andrew Ledingham, Andrew Tobin, Andrew Daley, Andrew Wilson, Jay Symmons, Gary Plunkett, Glen Blanckensee, Charlie Schwartz, Andrew Clarey, Paul Circosta, Rob Old, Peter Welch, Peter Cutts, Tia Campbell, Tama Campbell, Arthur Denehy, Lee Waerea, Shane August, Lee Tamaki, Ben Lindsay, Andrew Owen, Tim Smith, Ruanui Tucker, Mark Cook.



Photo - Coke build up on the grates



Photo - Vacuum units at base of R & R

## Tank Painting for Methanex New Zealand

by Bill Stretton

CR has been heavily involved in the re-commissioning of the Methanex Methanol Plant at Motunui.

The plant is running well and our involvement in the project is quietly winding up after 15 months on site.

The team, under Steve Lindsay's leadership, deserves a lot of praise for their commitment and the quality of their work over the projects duration.

Our last big section of work involves the refurbishment of a 70m methanol tank.

This is progressing well and weather permitting; it should be finished within three weeks.

### Methanex Tank Painting Team

Meihana McDonald, Jason Bines, Steve Watson, Leon Nicholls, Moehau Hakopa (Methanex Safety Watch) and Paddy McGrath.



Photo - CR Methanex Tank Painting Set Up



## Chevron Barrow Island and Thevenard Island

- by Mike Charles

Contract Resources has successfully completed the Solid Liquids Treatment (SLT) project on Barrow Island and Thevenard Island. This project spanned out over 12 months and the level of safety that was maintained throughout the project was outstanding. The work scope changed during the project and by completion of the project over 35,000 man hours had been accumulated.

Contract Resources were engaged to find a solution for treating sludge and liquid waste at Chevron's facility at Barrow Island.

The crew lead by Bill Hardegan and Graham Stan completed the work scope which included the processing of approximately 4000m<sup>3</sup> of sludge, the clean out of 4 terminal tanks, the Central Processing Facility tanks and Separators. The crew ranged between 9 and 16 depending on when we had a window to clean out the terminal tanks. Throughout the job the guys worked a 3 on 1 off roster of 12 hour shifts and their level of HS&E awareness and work ethic was exceptional.

During this project Contract Resources was awarded Chevron's Outstanding Contractor award at their annual HSE forum.

Our point of contact at Chevron has been Matthew Shield who has managed the project from Chevrons side and allowed for the smooth transition between Barrow and Thevenard Islands. Matthew had the following comments to make.

"The scope of work conducted by Contract Resources was to perform a number of cleanouts of large hydrocarbon storage tanks and to process the wastes generated to separate and recover all liquids back into the production process. Despite the inclusion of additional waste materials that were heavily weathered and contained sand, the processing proceeded smoothly and without incident or injury. Congratulations to the entire team. Winning the Chevron Contractor Health, Safety and Environment Management Outstanding Contractor award demonstrated the commitment made to achieving all of the aims of the project."

- **Matthew Shield** (Corrosion and Materials Specialist) Chevron Australia

We have also received positive feedback from the Chevron Managers on site.

"Your team's focus on Health & Safety and working to the expectations of their client aligns them with our Incident & Injury Free philosophy and served not only to protect them from harm but also those they interface with. When client & business partners are as closely aligned as this it allows an open exchange of best practices which benefits not only the specific operation but also the industry.

Please pass on my sincere thanks to your Barrow Island field team for a job well done".

- **Peter Poole / Craig Hatch**  
Field Superintendent W.A. Oil Asset  
Chevron Australia

Given the challenging nature of this job and its location some 22km north-west of Onslow accommodation became one of the bigger issues faced. The guys were put up in a fishing resort located on Thevenard Island and their ability to work and live together as a team was certainly appreciated by both Chevron and Contract Resources.

# Major Projects (cont)

## Protecting the State's Heritage

by Mike Rooney

Contract Resources has recently been awarded a contract by the Roads and Traffic Authority of NSW to refurbish the lifting structure and support piers on two of New South Wales' oldest bridges which are listed on the Heritage Register, at Dunmore and Hinton in the Hunter Valley region.

The centre section of the bridges used to lift to allow passage of large vessels up and down the Hunter River and, while this is no longer a requirement, both bridges are an important traffic link within the region.

For Contract Resources - Industrial Coatings the project involves scaffolding the complete lifting towers and piers, totally encapsulating these areas to prevent dust and paint emissions, removal of the existing lead based coatings under negative air conditions, disposal of waste and completely repainting the steel members with an epoxy/modified urethane and high build epoxy coating system.

Where necessary any deteriorated steel members will be replaced as part of the contract. The wooden structure is not being painted as part of this contract.

To add to the complexity of the project, the roads which are single lane, have to remain open at all times with activities such as scaffolding and encapsulation being conducted under traffic control.

Both bridges have to be completed within a 22 week period which means that we will have crews working on both bridges simultaneously to ensure the end date is met.

Site specific training has been conducted in Working over Water, Lead Awareness, Working Near Traffic, Environmental Awareness and Confined Space Working to ensure our target of Zero Harm is achieved.

Peter McCormack has been heavily involved in ensuring our documentation meets the client's requirements and setting up the site before handing over to our new Area Coordinator, Graham Tapp.



Photo - Bridge Lifting Gear



Photo - Before painting on piers



Photo - Showing area near bridge that flooded with recent rains

Photo - Cleaning out the ships fuel tank using the vacuum truck as an interceptor



Photo - Vacuuming split fuel oil from the Brisbane River



## Cyclone Hamish and the Pacific Adventurer - by Mike Rooney

The cargo ship Pacific Adventurer was damaged in high seas as a result of Cyclone Hamish off Moreton Island. Two oil tanks were holed by containers falling overboard during the storm resulting in a large oil slick off the South East Queensland coast.

The Pacific Adventurer had to dock at Hamilton Wharf in Brisbane as there were no dry dock facilities available at the time. The ship docked at 10.00am and Contract Resources were on site two hours later to assist with damage control. The ship was holed below the water line and oil was escaping into the Brisbane River.

One of our large semi-vacs was mobilised to site to deal with the oil slick forming under the wharf while divers inspected the damage to the hull and repair methods formulated.

From there we vacuumed all residues from the starboard tank which was hydro blasted to allow hot work to be carried out. The tank was especially difficult to clean due

to its size (200,000 litres), configuration which included baffles, struts and walkways and consistency of the oil.

The power and capacity of the large vacuum was invaluable in this task as the waste had to be vacuumed up from the bottom of the tank and across the deck to the dock side.

This allowed repairs to be carried out and oil transferred from the other damaged tank which will now be hydro blasted and repaired as the vessel continues to be made seaworthy.

Clyde Dorman assessed technical requirements and coordinated all of our activities in with other contractors engaged in the repair process.

## Mobil Altona Waste Water Treatment Plant Project

by Reno Panozzo

Following the success of the FCCU T&I in September to November, the CR team at Mobil Altona shifted their focus to the Waste Water Treatment Plant.

Of the overall WWTP upgrade a considerable portion consumed by Contract Resources, consisting of harvesting and processing sludge from tanks and open top storage bays through our freshly manufactured SLT facility.

After initial trials, the unit was able to successfully process the material. Feed rates averaged from 80m<sup>3</sup> per shift for tank slop and 40m<sup>3</sup> per shift for heavy sludge. After the process the recovered oil is transferred to Cracker feed tanks, the water to the recycle facility and the low level hydrocarbon sediment stockpiled for landfill.

As the project is continuing the key highlights to date are

- Electrical certification of the SLT unit
- East Skim Lake Pond processed and cleaned
- Storm Water Interceptor Pit (Floating Roof) processed and cleaned
- Tanks 221 314 and 315 processed and cleaned
- Reducing environmental footprint

The project has encountered many challenges however with a team committed to achieving a positive outcome for Mobil and Contract Resources will be a catalyst in the long term future of the SLT at Altona.



**Photo** - SLT operators Colin Hewitt & Ryan Hartney discussing the consistency of the material post centrifuge process

## Catalyst Decanting & Removal Project BP Bulwer Island

by Reno Panozzo

BP Bulwer Island sought the expertise of Contract Resources to prepare the used catalyst and material on site for land fill and reclamation.

We proportioned the project into three stages - Sampling and identifying material, Decanting drums of material into DG rated Wrangler bags and re packing into containers, and shipping to preferred vendors.

The crew was confronted with 11 different types of catalyst, not all labelled, over 107 shipping containers including palladium, platinum and other recoverable metals.

The objective of reducing the volume of containers on site while safely storing the catalyst without compromise was largely due to the use of DG approved wrangler bags. This method has saved the client on container leasing. The total operation reduced the foot print by 53 shipping containers.

During the 3month operation the project crew handled 460384 kg of catalyst and material without incident.

**Photo** - Stock pile of drums waiting to be recycled



**Photo** - Peter 'Google' Welch utilizing a custom made hopper for decanting catalyst



**Photo** - A cross sectional view of the 107 containers prior to decanting the catalyst into Wrangler bags



## 2nd round of Clean Fuel Plant Reactors

by Paul Wilson

Shell Clyde HDS :- required the installation of all new Reactor internals and UOP Dense Loading of 2 beds totalling approx. 154M3 of Catalyst.

Due to time constraints to meet commissioning requirements the project was carried out working 24 hrs x 6 days, managed by Gray Gardner & supervised by Ray Langlois & Evert LeRoux.

Part of the project requirement was for Contract Resources to send representation to Osaka Japan with Shell Engineering inspection to carry out fit assembly & checking of the Reactor internals to eliminate issues during installation.

The project was monitored by Shell Global Solutions Reactor Services from the Hague, who were extremely impressed with the crew, their attitude to safety, work ethic and ability to overcome some technical difficulties encountered with the Reactor during the project.

Once the new Reactor was completed the crew carried out the unloading (under inert conditions) and loading of the existing Reactor for a Catalyst Change & Inspection. In all approx. 94M of Catalyst was UOP Dense Loaded. Shell Clyde TSD were very happy with the way the crew carried out the project and the Density of the loaded beds on both Reactors.

On completion of the company was asked to carry out the air blowing of all new systems that were installed during the up-grade to get them as dry as 3 deg Dew Point in preparation for commissioning. This included the mechanical works involved in preparing the systems, monitoring the Dew Point and boxing up the systems on completion. This work was carried out by our local crew ably lead by Scott Blanchard. Once again TSD & Operations were very happy with the work, especially the attention to detail and recording by the crew.

Caltex Lytton DHTU-2:- required the installation of all new Reactor internals and UOP Dense Loading of 2 beds approx.99M3 of Catalyst.

The standard of finish of the Reactor & internal hardware for the project made the installation very easy and quick to complete.

The project was monitored by the equipment/technology supplier, Haldor Topsoe, who were extremely impressed with the crew, attitude to safety, knowledge & work ethic during the project.

The crew worked 12 hr x 6 days with installations supervised by Steve Iremonger & Michael McMahon. Catalyst loading was supervised by Evert LeRoux.

Other components of the project included the installation of support bed in a Salt drier, installation of internals and loading of Rashing Rings in a small column, checking the fit out of previously installed trays & hardware of a column that came pre-assembled, pressure testing & drying of Furnace coils & dressing/passivation of Furnace coil welds. This work was carried out for Downer EDI who were very impressed with the quality of work and attention to detail shown by the crew.



**Photo** - Dense Loading technician working it all out



**Photo** - View of the Electronic Water Level used for checking Levelness of installed items



**Photo** - View of typical mechanical container used for Reactor Work



**Photo** - Crew loading Catalyst bags into Dense Loader surge hopper

## Removing Bundle (Origin Energy)

By Michael Conneely

The project was for Origin Energy. CR were contracted to chemical clean, remove bundle and hydro jet internals and externals of their Amine Reboiler.

The reason behind the inspection of the bundle was a suspected leak in the tubes.

The biggest challenge was removing the bundle with our 45 tonne bundle puller.

**The bundle was;**

**Weight:** 27 tonne      **Length:** 10.14 meters  
**Tube sheet diameter:** 1.79m (outside dia.)  
**U Tubes:** 856

The project was supervised by Paul Thew and the bundle was pulled by Kelly Lovett, Bob Adair and Michael Bouma. Ewen Elvey and Matt Shay completed the hydro blasting whilst Neil Mahoney, John Bigmore, Brian Horvat and Andrew Bartley completed the chemical cleaning. All CR personnel worked as a team to ensure the job was completed successfully.

**Photo (top)**

Two cranes were used to stabilise the bundle  
**Photo (bottom)**  
Bundle being lowered to grade



# New Services

## Intelligent Pigging by Chris Lawrence

GE PII Pipeline Solutions have been added to the services of Contract Resources, this solution business offer advanced technical Oil & Gas client pipeline solutions and are world leaders in this market.

We now provide an Intelligent Pigging inspection service in alliance with GE PII who is a global player in this area, the reasoning behind choosing Contract Resources as their partner was they required an Oil and Gas service provider based here in Australia / NZ. Contract Resources was chosen due to its close alignment with the large Oil and Gas clients, our strengths in HSE and strong project related services.

We now provide a comprehensive range of internal inspection of pipeline (6" - 56") using an intelligent pig technology (as above) this pig is able to flow with most product without too much disruption of refinery operations, all data is held inside the pig and downloaded once the pigging run is completed.

The following areas we now offer to our clients; detection of corrosion, cracks, metal loss, mapping of pipelines and data management.

If you require any more information please visit [www.geoilandgas.com](http://www.geoilandgas.com) or phone Chris Lawrence ext 213

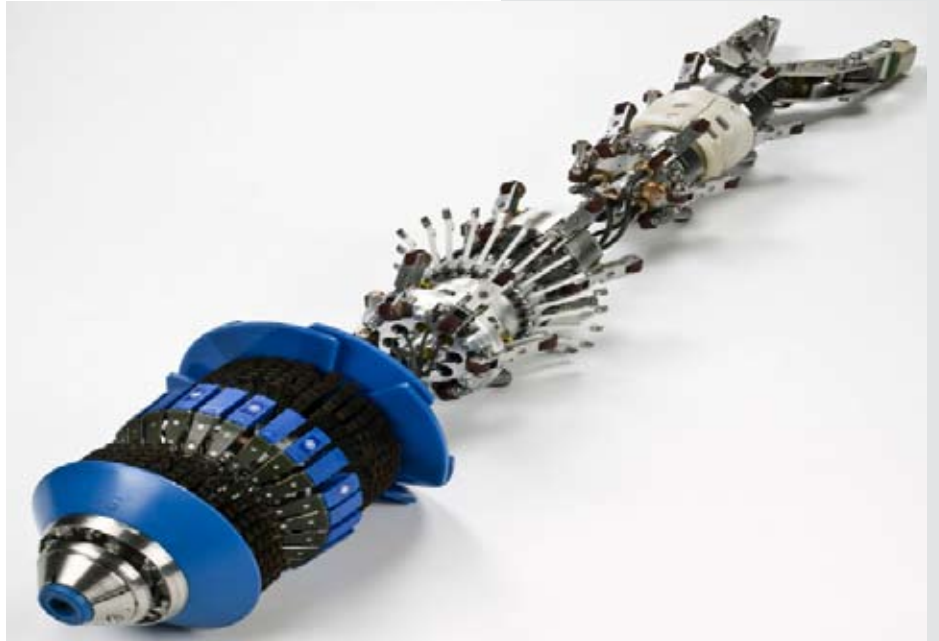


Photo - Intelligent Pig Inspection Tool

## Decamex Fin Fan Cleaning

Contract Resources have entered into an agreement with CTP Environment to use their Decamex product for external cleaning of Fin Fan Heat Exchangers. This is a dry process using special chemical powder applied by air blasting that allows cleaning to be carried out on line.

One of the Lytton technicians, Peter Welch, was sent to Rotterdam to receive training in the Decamex process and we anticipate carrying out our first project with Decamex at Caltex Lytton in late April. Representatives and technicians from CTP in Singapore will be here to assist in the first project.



Photo - Cleaning effect of Decamex on fin fan bund



Photo - Operator injecting Decamex

# New Equipment

## AVT028 & AVT029

### 2 x 8000 LT Gully Sucker (DG3)

These vacuum trucks are a 3 axle, single drive, single steer, lazy rear waste tanker. It is fitted with an 8000lt tank and 200cfm wet ring vacuum pump. It is approved and suitable for the transport of Flammable liquids (Dangerous Goods Class 3).

#### Truck Specifications

- Truck: HINO Ranger 10
- Tare: 10,000 Kg
- Manufacturer: GVM 22,500Kg (Hino GVM 16,500Kg, Increased with Lazy Susan Axle fitted with Compliance plate)
- Engine: Hino J21, 6 cylinder direct Injection 7961cc
- Diesel max torque: 739 Nm@1500rpm
- Diesel Max Power: 184 kW@2500rpm
- Fuel Capacity: 200 LT DIESEL

#### Vessel

- Capacity: 8000LT, Diameter 1660mm
- Design Pressure: 101KPa to 104KPa
- Nozzles - 2 x Hatches on top
- Engine Rev 1250rpm, Neutral
- Gear Pump 88 lpm@1100rpm
- Max vacuum - 85KPa Gauge (25in Hg)
- Vacuum Flow 200cfm @ 1750 rpm (pump)
- Seal Water Volume 180 Litres
- Dimensions (m) 9123Lx 2.5W x 3.6H

#### EPA Licensed to carry

- Alkaline Solids
- Contaminated Soils, Inert sludge or slurries
- Spent catalyst
- Inorganic Sulphur compounds
- Non halogenated organic chemicals and Organic Solvents
- Residues from industrial waste treatment, Plant wash waters
- Waste from production of paints, lacquers, organic solvents, resins, tarry residues
- Waste Oils, oil/water mixtures, hydrocarbon and water mixtures



Photo - AVT028



Photo - AVT028

## AVT 034

### 10,000 L VACUUM TRAILER

Engine and pump are mounted inside an enclosed cabin located on the trailer upper deck. The vacuum unit can be operated independent of the prime mover, the vac unit engine having its own fuel tank, hydraulic pump and reservoir mounted within the pump cabinet.

Filtration of the vacuum flow is possible via a cyclone and bag-house filter system for vacuuming dry products, this can be bypassed for wet products. Selection of the wet or dry system is made via single rocker switch on the control panel. Hose trays located on both sides of the vessel allow storage of all hoses.

#### Safety Features

- Emergency stop on control panel
- Static reel to earth skid
- Vacuum relief valve
- Air Strangler on Engine Intake
- Ball Float valve to prevent excess liquid suction
- Spark Arrestor as part of exhaust system
- Manual T piece to break vacuum, tied to operator or "buddy"

#### General Specifications

- Make: Cummins
- Model: 6BTA5.9 Turbocharged Diesel
- Max. Power (continuous): 105kW (141 BHP)
- Max. Torque (continuous): 529 N.m (390 lb.ft)
- Dimensions (m): 10.4L x 2.5W x 3.80H
- Tare: 7000 kg. (excluding Prime mover)

#### Vacuum System

- Vessel Volume: 10,000 L
- Filtration System: Cyclone & Bag-house Filter
- Vacuum Flow: 56,634 lpm (2000 CFM)



Photos - AVT034



## AVT036, AVT037, AVT038 & AVT039

### 4 x 25,000 LT Vacuum Trailers

These vacuum units are a 3 axle, trailer, fitted with a 25,000lt tank and 2000cfm wet ring vacuum pump. Fitted with bubble filter and capable of vacuum loading or pressure discharge operations. This unit is ideally suited to SLT work, remote work away from general public roads, or where the waste is dealt with within the same site.

#### Trailer Specifications

- Trailer Boomer Tri-axle
- Manufacturer PG&A Design and Project Management
- ATM 37,000Kg
- Maximum legal payload 11,500 kg (assumes PM GCM 42.5t or greater)

#### Vessel

- Capacity 25,000 lt
- Operating Pressure 77 kPa
- Hydrostatic Test Pressure 116 kPa
- Rear Door Full diameter with hydraulically operated locking ring, and hydraulic open and close
- Hoist Front mounted hoist cylinder provides up to 45 degree tipping angle

#### Vacuum System

- Pump Manufacturer Flowtech
- Vacuum Flow 2000cfm
- Seal Water Volume 1700 Litres

#### Engine

- Manufacturer Caterpillar
- Fuel consumption 40 L/hr (approx)
- Fuel Capacity 230 LT DIESEL

#### Dimensions (m)

- 13Lx 2.5W x 4.1H (excludes Prime Mover)



Photos - AVT038



## AG723 Dual Strainer Skid

The Dual Strainer skid has been designed to be fit onto ANSI 4in or 6in class 150 flanges. Dual strainers with isolation valves, allows strainer removal while maintaining material flow.

Gauges and ball valves have been fitted to lids (not shown)

#### General Specifications

- Tare 700 Kg
- Max Pressure 15 Bar
- Typical Flow 4000l/min = 240 m<sup>3</sup>/hr = 140cfm
- Max. Volume per strainer 70 Litres
- Dimensions (m) 1.4L x 1.2W x 1.2H



Photos - AG723



## New Wet and Dry Vacuum Trucks

### commissioned in New Zealand

New Zealand has commissioned two new Wet and Dry Vacuum Trucks to meet a growing demand for these services in New Zealand.

The design and manufacture was coordinated by John Langstone. John has aged a little during the process, but the twins are performing beautifully and the branches are delighted with their new acquisitions.

One truck is based on the Carter Holt Harvey Kingleith Pulp and Paper Mill in Tokoroa and other in the South Island

working on projects for Holcim Cement, Pike River Coal and other clients.

Manufacture of components was done by various specialist contractors and the installation of these was handled by Tony McGlade of Fabco. Tony has a long association with Contract Resources, having built most of our skid mounted catalyst vacuum units and other equipment.

Photo - CR Wet/Dry Vacuum Truck with Dresser Roots Blower (76m<sup>3</sup>/min) and 9500L Tank



# New Equipment (cont)

## 3 New Jetstream High Pressure Pumps commissioned in New Zealand

New Zealand has commissioned three new 265HP Jetstream Pumps. Two for the Central North Island and another to be based at a new satellite branch in Gore.

One of the CNI units has been mounted in a 20' Shipping Container and will be transported on an 8 x 4 truck chassis. The advantages of using this configuration includes the low level of the container base making the operation at ground level using external controls very safe. The pump can be left on site for prolonged periods freeing up the truck, noise is reduced and the 8 x 4 configuration reduces road taxes.

The complete pump skid can be demounted from the container for off-shore work or other projects where space is limited.

New Zealand now has five Jetstream Pumps operating throughout the country

Photo - Containerised 265HP Pump



## AHP052, AHP053 & AHP054

### Ultra High Pressure Jet Stream Pumps

We have recently commissioned three new versatile high / ultra high pressure Jet Stream pumps (AHP052, AHP053, AHP054).

The pumps are based on the 4200 series, are driven by 300HP diesel engines and can easily be converted from 10,000 to 20,000 and upwards to 40,000 psi pressure.

**At 10,000 psi**, the units deliver 190ltrs/min. which is ample to run our three lance exchanger cleaning machines, various accessories and guns.

**At 20,000 psi**, the units deliver 95ltrs/min, which is ideal to run two lance exchanger cleaning machines, external exchanger cleaning machines or guns.

**At 40,000 psi**, the units deliver 43.5ltrs/min., which is ample to run spiders, dual guns and other UHP equipment.

#### We have two UHP dual flow splitter boxes

The foot print of these new units is significantly reduced from the traditional models and can be placed in 20FT or even 10FT containers. We have set these units up in 20 ft containers complete with workshop and equipment storage however they can be quickly removed for specific projects requirements e.g. offshore.

The other great feature of these pumps is that they can be linked and run in parallel, effectively doubling, or even tripling the water flow. This allows us to run the five lance exchanger cleaner and other large volume accessories and adds to modular flexibility we are building into all our equipment. The end result of this modular approach is a very cost effective and competitive service to our clients!



Photos (top & middle) AHP052 sitting in C280 (bottom)

Kelly Lovett commissioning the new AHP053

## New 3A rated Tanker for Taranaki

The Taranaki Division has converted a fuel tanker to carry heavier hydrocarbons and service oil and gas clients in the region. This sector has expanded rapidly in recent years and the existing 3A truck could not keep up with demand, as drilling and workovers increased.

Shane Macbeth, the Branch Supervisor, located a suitable tanker and oversaw the conversion and refurbishment in the Taranaki Workshop.

Photo - 3A Rated 30000L Tanker



## AVT030 10,000 LT Volvo Vacuum Truck

This vacuum truck is an 8x4 Volvo FM9 Euro 4 compliant vehicle. It is fitted with a split shaft PTO driving a 2350cfm wet ring pump. The unit has a seal tank, bubble filter and 10,000lt waste tank. Adapters, 4" camlock and 6" travis hoses are supplied in hose trays. Emergency response equipment is also stored on board. Dangerous Goods Class 3 (flammable liquids) and class 9 (Miscellaneous Goods) approval is pending.

### Truck Specifications

- Make: Volvo
- Model: FM9 8x4 Rigid Cab Chassis
- Build Date: Jul-08
- Electrical Voltage: 24V
- Wheelbase: 5100mm
- Max. Power (contin): 250kW (340 BHP)
- Max. Torque (continuous): 1600 N.m
- Gross Vehicle Mass (GVM): 34000 Kgs
- Gross Combination Mass: 50000 Kgs
- Max weight Front axle: 13000/11000
- Max weight Rear: 21000/16500 Kgs
- Gearbox: AT2412C- 12 speed

### Vacuum Mode (PTO)

- Max vacuum - 90KPa Gauge
- Vacuum Flow: 4000m3/hr (2350 CFM)
- Seal Water Volume: 1500L (600lt min)
- Mast Height (lowered): 2.8m from Ground
- Mast Height (raised): 7.2m from Ground, 4.4m from Cab, 3.7m from vessel

### Vessel

- Vessel Volume: 12590 Lt (end to end)
- Waste compartment: 10,780Lt (full)
- Design Pressure: +45KPa to -101 KPa
- Design Temperature: 0-50°C
- Filtration System: Bubble Filter (365 lts)
- Hydraulics: 36l/min @ 900rpm
- Hydraulic Functions: Open rear door & Door locks, Vessel lift (tilt)

### Dimensions (m)

9.4L x 2.5W x 3.47H

### Other

- Hose trays down each side of truck
- 2x 4.5Kg Fire extinguishers on truck, 1x 1.5Kg fire extinguisher in cabin
- Pneumatically lifted exhaust system



## ATV035 Mini Vac

After much anticipation the mini vac has arrived and is busy being utilized around the drains and pits at Shell Clyde.



Photo - Maxi (AVT034) and Mini Vac (AVT035) side by side

### Photo - AVT030 and Adelaide crew

AVT030 2008 Volvo Vacuum Truck recently left the Adelaide premises destined for Caltex Lytton on Tuesday 28th April 2009. This will be closely followed by the next two vacs.

CR would like to thank the following people who were involved in the manufacture of this vacuum truck who appear in the photo:

**Left to Right:** Dave Shepherd, Kelly Lovett, Neil Morris, Ian Pearce, Mark Golka, Tony Baker, Chad Brennan, Steve Mitchell, Gary Thew, Luigi Tessari, Don Cunningham, Simon Gitsham, Vince Napier, Enver Sabic, Phil Salt, Matt Englehardt, Will Kingi and Kevin Hill.

# Employee News

## Richard Visscher turns 40

Richard's birthday was Monday 9th March "Adelaide Cup Day" but we couldn't let this significant birthday go by un-noticed (as I am sure Richard would have preferred). Therefore on the prior Thursday afternoon we tastefully decorated his office as you will see from the photos below. Richard was presented with a gift basket of tasty treats as the staff from the Adelaide office sang a Happy Birthday to you.



Photo - Richard trying to go un-noticed!

## Happy 60th Birthday Roy!

Roy Dorling celebrated his 60th birthday on Friday 13th March. Laurie organised the decorating of the office with assistance from her trusty helpers.



Photos (top) - Roy prepares to blow out the candles (btm) - Another superb creation by our own Leanne Wagner

# Weddings

## CR's own Brady Bunch

Well now CR have their own Brady Bunch! Congratulations to Kevin and Sam Banks, who were married on November 21, 2008 before honeymooning in Fiji.



Photo - Kevin and Sam on their wedding day celebrated with their children - Tara, Brent, Jamie, Evan and of course the twins (now known as Isabelle and Darcy)

## Congratulations Jess and Adrian

Jessica Kevric married her partner Adrian Dixon on Saturday 7th March 2009 at 1.00pm at the Sacred Heart College Chapel with 180 guests in attendance. The Reception catered for 162 guests and took place at Sfera's Park Suites & Convention Centre at 7.00pm.



Photo - The Happy Couple Jess and Adrian

## Victorian Bushfire Appeal

In February 2009 the Contract Resources Board of Directors generously agreed to match employee donations dollar for dollar up to a maximum amount of \$10,000 for this worthwhile cause.

Contract Resources employees raised a total \$5145.00 via payroll deductions and cash donations.

When matched with the company's donation Contract Resources was able to donate a total of \$10,290 to the Red Cross Victorian Bushfire Appeal.

Thank you for showing your generosity in supporting this cause.

## Leukaemia Foundation World's Greatest Shave

Attila Veroes, Shaun Hall and Scott Blanchard had their head shaved and or coloured to support the Leukaemia foundation's fund raising with donation from CR management \$400 was raised by CR. Well done.



Photo - Attila Veroes, Shaun Hall and Scott Blanchard

# New Arrivals

## Isabelle Margaret-Rose Jordan

Congratulations Sean Jordan and partner, the proud parents of Isabelle Margaret-Rose Jordan born 9th February 2009, weighing 3.7 kg.



**Photo** - Isabelle Jordan

## Bella Wells

Congratulations to Andy and Lesley Wells who celebrated the safe arrival of their second daughter Bella on November 10th, 2008 at 1316 and weighed in at 3.9kgs (or 8lbs 9). This also makes Grace a big sister now to which I hear she does a great job!



**Photo** - Bella with her big sister Grace

## Miller Nolle

Ed Nolle and partner are pleased to announce the arrival of Miller Nolle who was born on November 5th, 2008 and weighed 3.0kg.



**Photo** - Miller Nolle

## Miss Isobelle and Master Darcy Banks

Kevin and Sam Banks were blessed on March 13, 2009 with twins. Isobelle weighed in at 2.43kg and Darcy at 2.7kg.

The twins shouldn't be short of babysitters seeing they have older siblings in Tara, Brent, Jamie and Evan.

We wish them all the best for the future.

**Photo** - Isobelle left and Darcy Banks being like Dad...thinking of the day ahead!



## Kevin's other Baby

Kevin Banks couldn't be satisfied with two new babies this year, he needed another to make his life complete...

...a 34 Chevrolet Coupe all the way from the USA!! - **Photo** (right)

## Georgie Grace Farrugia

Michael and Amber Farrugia are pleased to announce the safe arrival of Georgie Grace, born 24 February 2009, Georgie weighed 6.1 pounds.

**Photo** (right) - Amber and Michael Farrugia with children Harna, Taylor, Brock and the new addition Georgie Grace



# Contributions

Thanks for reading this issue of CATALYST

This newsletter is for you. It is to keep you informed of what is happening within the company, and the changes and developments that are taking place. If you have items of interest to contribute, please forward them to the Adelaide office.

See you next issue...

Sandra Arch

Contact

Email: [sandy@contractresources.com](mailto:sandy@contractresources.com)

Phone: 08 8326 5060 ext 209

Karen Schilling

Contact

Email: [kschilling@contractresources.com](mailto:kschilling@contractresources.com)

Phone: 08 8326 5060 ext 228

## AUSTRALIA

### ADELAIDE OFFICE

Adelaide Refinery  
Refinery Road, Lonsdale SA 5160  
PO Box 222, Morphett Vale SA  
5162

Phone: 08 8326 5060

Fax: 08 8326 5070

### SYDNEY OFFICE

269 Edgar Street  
Condell Park, NSW 2200

Phone: 02 9771 4355

Fax: 02 9771 1927

### MELBOURNE OFFICE

9 Bentley St, North Williamstown  
Williamstown, North VIC 3016

Phone: 03 9399 9777

Fax: 03 9399 9787

### BRISBANE OFFICE

40 Aquarium Avenue  
Hemmant, QLD 4174

Phone: 07 3890 8135

Fax: 07 3907 0103

### DARWIN OFFICE

21 Muramats Road  
PO Box 196, Berrimah NT 0828

Phone: 08 8947 1368

Fax: 08 8947 1207

### PERTH OFFICE

47 Catalano Circuit,  
CANNINGVALE WA 6155

Phone: 08 9458 7046

Fax: 08 9256 1301

## NEW ZEALAND

### AUCKLAND OFFICE

7 Neil Park Drive, East Tamaki  
PO Box 259283  
Greenmount, Manukau City 2141  
New Zealand

Phone: 09 265 2083

Fax: 09 265 2084

### CENTRAL NORTH ISLAND OFFICE

Unit 3/11 Quail Street,  
Frankton Hamilton New Zealand  
PO Box 10008, TeRapa 3241  
New Zealand

Phone: 07 843 1627

Fax: 07 843 1630

### TARANAKI OFFICE

71 Wallscourt Place  
Normanby, South Taranaki  
New Zealand

Phone: 06 272 8740

Fax: 06 272 9139

### SOUTH ISLAND

253 Lincoln Road, Addington  
PO Box 42026, Tower Junction  
Christchurch, New Zealand

Phone: 03 338 0635

Fax: 03 338 0633

## USA

### HOUSTON OFFICE

1014 Ann Street  
Pasadena Texas 77506

Phone: 281-538-0529

Fax: 281-538-6370

### LOUISIANA OFFICE

12423 Jim Babin Rd.  
Saint Amant, LA 70774

Phone: 225-644-2302

Fax: 225-644-4698

### DELAWARE OFFICE

950 Ridge Rd. Unit E4 & E5  
Claymont, DE 19703

Phone: 302-762-4480

Fax: 302-798-2193

Email: [service@catalysthandling.com](mailto:service@catalysthandling.com)

Web: [www.catalysthandling.com](http://www.catalysthandling.com)

Thank you to all the people for their contributions to the current issue of Catalyst.

