



# CHRONICLE

What's Inside



Safety  
Milestones  
at Qenos



Plastics  
Ground Flare



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Progress



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Audit

July 2012  
Volume 23  
Number 1



## QENOS ALTONA REVAMP PROJECT

**T**he Revamp project at Qenos has been progressing. All the required council and regulatory approvals are in place with extensive works taking place on site.

Progress since the December 2011 Chronicle.

- The foundations and drainage works are almost completed.
- In SCAL-2 (Pictured) the process vessels and structural steel have been installed with piping and connections to be installed next.
- The installation of the new electrical substation is well underway.

*Once the Revamp project scheduled to be commissioned in the first half of 2013 should deliver 20% capacity along with significant environmental benefits which are summarised in the table below.*

Environmental Aspect	Expected Change from the project	Outcomes
Energy Consumption	- 10 Gigajoule/Tonne Ethylene	20% reduction
Greenhouse gas emissions	- 90000 Tonnes CO <sub>2</sub> /Year	15% reduction
Sulphur dioxide emissions	- 15 T/Y	25% reduction
Flaring	Reduced flaring	5% reduction
Fugitive emissions	No discernable change	No change
Wastes to sewer	No Change	No change
Water Consumption	No Change	No change
Transported wastes	No discernable change	No change
Noise	No change	No change

## Major Maintenance at Qenos (Turnaround)

**A** major maintenance cycle (known as a turnaround) is due at Qenos in October & November this year. At Olefins SCAL-1 plant it is scheduled from 5th October-19th November and from 7th October-4th November 2012 at Polymers site.

Alec Taylor the Qenos Turnaround Manager made a presentation to the Qenos EMT on 14th June. Alec has extensive experience in managing turnarounds and Transfield Services the principal contractor has extensive experience at Qenos and other companies. Alec noted the following details at the EMT meeting.

The turnaround scope included:

- Maintenance and inspections carried out on plant and equipment.
- Completion of projects and plant upgrades.
- Connections to piping systems for the Cogeneration and Altona Revamp project will be completed.

An estimated workforce of 600 people will work 135,000 hours over 28 days to complete the work at an estimated cost of A\$39m. **Alec noted that the Safety Health and Environment plan has been developed taking into account previous experience and takes particular precautions to minimise the risk of noise and odours being noticed in the community.**

The community updates section of the Qenos website and a letter drop will be made to our bear neighbours in the community the week prior to the turnaround. This will include the final schedules, outline the planned activities and note any expected community impact.

**Qenos has requested Vicroads to assess the installation of a temporary pedestrian crossing in Maidstone St to provide safe access for the workforce who will park on the West side of Maidstone street and to minimise disruption to the traffic flow.**

The community updates section of the Qenos website and a letter drop will be made to our bear neighbours in the community the week prior to the turnaround. This will include the final schedules, outline the planned activities and note any expected community impact.

# Safety Milestone at Qenos



**A**t Qenos during Autumn "the fall" had special significance as it was the season in which we met a major world class milestone 365 days or one year without a recordable injury. "Indeed, as Autumn closes we have now exceeded 400 days, which is an outstanding testimony to all Qenos employees and our partners from our various contractor workforces" said CEO Jonathan Clancy at a BBQ in recognition of the milestone. At these BBQ's (at both the Botany and Altona sites) to celebrate the safety milestone Qenos management team members served the BBQ lunch to say thank you to the workforce.



## Have a voice for Altona

**T**he Environment Monitoring Team, (EMT) is an important part of Dow's commitment to consultation with the community of Altona and needs new members to ensure this consultation remains robust.

Three of the longest serving community representatives – Ivan Board, Judy Hindle and Valerie Gemmell – have selflessly volunteered their time for well over a decade to represent the community and provide external input to help Dow's plans reflect the needs of Altona.

Dow is now seeking additional members for the EMT to carry on this valuable work. Chairman Danielle Fairchild says the EMT provides Dow an invaluable viewpoint and unbiased opinion. "They pull us into line when we get too technical," she says. "But perhaps even more importantly they keep us totally accountable for what we do here in Altona."

To have a voice in environmental planning for our city please contact EMT Chair Danielle Fairchild at Dow (phone 9226 3633.)



# Plastics Ground Flare

**T**he ground flare operated on Tuesday May 8th at 8:20 when, one of the 2 Polymerisation vessels depressurised following a compressor trip. The ground flare is programmed to automatically and safely burn the ethylene. When the ground flare initially lights it makes a rumbling or popping sound that the community described as sounding like there had been an explosion. The Qenos facilities have a number of automated shutdown systems & their activation ensures continued safe operation of the facility. (The ground flare operation is infrequent and with two instances in the last three years it is difficult for the community to recognise.)

Qenos received some calls to the Environmental Action Line enquiring about the noise from the flare ignition. The police and MFB also received some calls at the time and investigated. Qenos has advised them that there was no explosion and that it was initial ignition of the ground flare that was heard.



# Cogeneration plant progress

*This photo shows the Heat Recovery Steam Generator (HRSG).*

*Hot exhaust gas from the turbine (on the left) flows through the HRSG superheater (the grey equipment), then through the evaporator section of the HRSG (the silver box), and finally through the economiser, before the cooled gas exits via the stack on the right.*



**T**he cogeneration plant being installed at the Qenos facility by AGL now has all of the major equipment installed and is expected to be commissioned between July and September and be fully operational later in 2012.

During the commissioning period the steam lines and equipment will need flushing which involves blowing steam to atmosphere. There will be silencers fitted to the steam blowing and it will be scheduled during days hours to minimise the chance of disrupting the community. Once the schedule is finalised details will be available on the Qenos website and the nearby neighbours notified by letter drop.

Once on line the cogeneration plant will supply all of Qenos electricity needs and 50% of the steam requirements resulting in a reduction of 110,000 tonnes of CO<sub>2</sub> which is equivalent to 11,000 average households. The gas turbine utilises "state of the art" combustion technology which will also reduce CO and NO<sub>x</sub> emissions.

Progress since the last chronicle in December include:

- Major equipment such as the Heat Recovery Steam Generator (HRSG), exhaust stack and the gas turbine are in place.
- The piping connection between the cogeneration facility and the Qenos plant are well advanced and the power distribution network is being installed.
- A high pressure natural gas connection from Brooklyn to Altona using the former Ethane pipeline to Huntsman Chemicals is ready for final connections.
- Commissioning and training plans are advanced and will be finalised in the near future.
- All of the regulatory requirements and approvals have been satisfied including EPA Works Approval granted on 14th March 2012 and planning approval was granted by Hobsons Bay City Council on 10th January 2012.



## Introducing Sandra Aloï

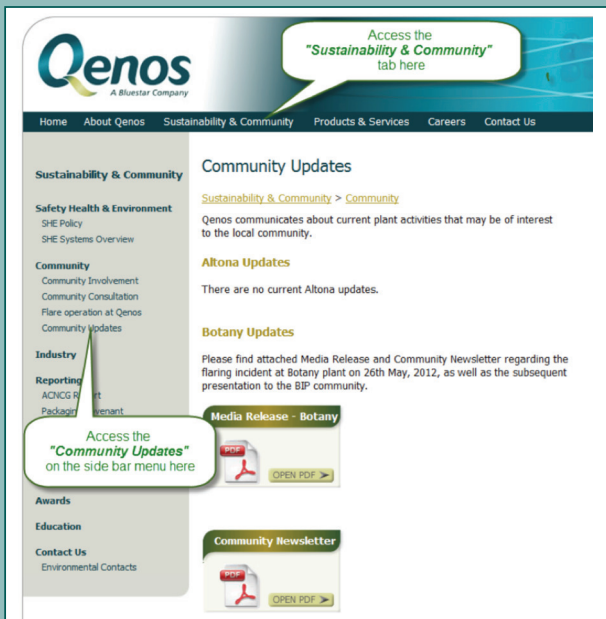
**A** fresh face on the Dow Altona site is Sandra Aloï, who is the new public affairs manager for Dow Australia and New Zealand. Sandra comes to Dow from BASF and brings extensive experience in corporate communications including

corporate and community engagement, issues & change management, media communications, and corporate social responsibility management. Sandra tells the Chronicle she is looking forward to working at Dow and with the people of Altona

# www.qenos.com

The Qenos website was upgraded in 2010 which included Sustainability & Community page which includes a Community Update section and Qenos contact details. The "Community Update" section was included to enable Qenos to provide information to the community about Qenos activities that may be noticed in the community. The updates may be to advise about future activities such as turnarounds or to provide explanations about events at Qenos that may have caused some level of concern in the community.

- Qenos provided an update for the Altona community following the ground flare use at Plastic on May 8th.
- The community updates section can be access on the sidebar of the Sustainability and Community tab.



# Altona groundwater project reaches a milestone

Dow's strategy to deal with groundwater contamination at the Altona site, has reached a new milestone.

A number of new groundwater monitoring wells were recently installed in the Ajax Road industrial area. With the approval of the Victorian EPA, Dow plans to inject proven material into these wells to accelerate the natural degradation of contaminants in the groundwater. Representatives of Dow, the Victorian EPA, and the community-based Dow Environment Monitoring team (EMT) recently inspected the Ajax Road area, to see where additional wells will be installed as part of the project.

Dow's latest Environment Monitoring Team (EMT) report also introduced an integrated site strategy designed to provide an adaptive, long term plan for meeting site-specific remediation objectives, while at the same time optimising effectiveness, efficiency and cost. The strategy serves as a road map to focus decision makers on what is occurring at the Altona site, how to obtain desired outcomes, and how to measure progress over time.

Contamination in groundwater at the Altona site resulted from a major grass fire in 1969 which engulfed a drum store, and from historical chemical manufacturing processes which have long since been discontinued. Two key on-going objectives for Dow are to measure, monitor and mitigate the spread and concentration of chemicals and to ensure no serious risk to human health or the environment. Regular monitoring is conducted in accordance with a groundwater management plan developed by Dow, EPA, representatives of the local community and the City of Hobsons Bay.



Representatives of Dow, the EPA and the community-based EMT inspect injection wells in Ajax Road, Altona. From left to right Chris Kouloyan, Danielle Fairchild, Judy Hindle, Bryan Goodwin, Sandra Aloj, Brett Maurer, and Mike Tangtatco.

**TO ALL RESIDENTS . . .**  
**ACNCG NEXT MEETING**  
**All Welcome**  
**THURSDAY, NOVEMBER 15TH 2012**  
**COMMENCES AT 5.30 P.M.**  
**at Dow Chemical, 541-583 Kororoit Creek Road Altona 3018**

**إشعار لكل السكان في المنطقة**  
 هل أنت مهتم بما يحدث في مجتمعنا؟  
 الجوارين المحيطة بالمنطقة الصناعية الكيميائية.  
 يُعقد الاجتماع مرة كل شهر.  
 نرحب بالجميع.  
 ... الاجتماع القادم ...

**Obavijest svim stanovnicima**  
 Zanima li vas što se događa u kemijskom kompleksu u Altoni?  
 Dodite na sastanak na kojem će se razgovarati o problemima koji se odnose na ovaj kemijski kompleks. Sastanak se održava svaki mjesec.  
 Svi su dobrodošli.  
 Sljedeći sastanak ...

**Ανακοίνωση προς όλους τους κατοίκους**  
 Ενδιαφέρεστε για το τι συμβαίνει με αυτό το εργοστάσιο που κατασκευάζει χημικά (δηλ. το Altona Chemical Complex)?  
 Ελάτε σε ένα συνέδριο-φόρουμ της σύμβουλης της κοινότητας, προς συζήτηση ανησυχιών/προβλημάτων που τυχόν υπάρχουν και που αφορούν το εργοστάσιο χημικών. Το συνέδριο γίνεται κάθε μήνα.  
 Όλοι είναι ευπρόσδεκτοι.  
 Το επόμενο συνέδριο θα γίνει στις ...

**Avviso ai residenti**  
 Vi interessa sapere che cosa succede nel Complesso Industriale di Altona dove si producono prodotti chimici (Altona Chemical Complex)?  
 Venite ad una riunione del Gruppo di consultazione della zona, che si occupa della discussione dei problemi riguardanti il Complesso Industriale di Altona.  
 Le riunioni si tengono ogni mese.  
 Siete tutti benvenuti.  
 La prossima riunione .....

**Известување до сите жители**  
 Дали сте заинтересирани да знаете што се случува во фабриката за производство на хемикалии Altona Chemical Complex?  
 Дојдете на состанок на групата каде што се дискутира за проблемите во врска со хемиските производи.  
 Состанокот се одржува секој месец.  
 Сите се добројачени.  
 Идент состанок ...

**Aviz ghar-residenti kolha**  
 Tintereasa ruhh f'dak li qed jgħri l-Altona Chemical Complex. Il-post f'Altona fejn jagħmlu prodotti tal-kimika? Ejjja għal-laqgħa ta' l-Altona Complex Neighbourhood Consultative Group, il-forum għad-diskussjoni dwar t-tassib/problemi li għandhom x'jaqsmu mail-post fejn jagħmlu l-prodotti tal-kimika.  
 Il-laqgħa ssir kull xahar.  
 Mistieden kulhadd.  
 Il-laqgħa li għejja se ssir f'din id-data .....

**Обавештење свим житељима**  
 Дали сте заинтересовани за оно што се догађа у Хемијском комплексу у Алтони (Altona Chemical Complex)?  
 Дођите на састанак Саветодавне групе за савештовање Комјаната у Алтони (Altona Complex Neighbourhood Consultative Group).  
 Одржава се сваког месеца.  
 Свако је добродошло.  
 Следећи састанак ...

**Thông báo gửi toàn thể cư dân**  
 Nếu muốn biết những gì đang diễn tiến trong Cơ Xưởng Chế Tạo Hóa Chất tại Altona (Altona Chemical Complex)?  
 Xin mời quý vị đến tham dự buổi họp của Nhóm Tham Khảo Ý Kiến Cộng Đồng về Cơ Xưởng Hóa Chất Altona (Altona Complex Neighbourhood Consultative Group).  
 Được tổ chức hàng tháng.  
 Xin mời toàn thể cư dân đến tham dự.  
 Buổi họp kế tiếp được tổ chức vào ngày.....

## ACNCG Members

### RESIDENTS/COMMUNITY

Percy Fernandez	9391 1383
Judy Hindle OAM Deputy Chair	9395 8565
Paul Cassar	9391 0223
Ivan Board	9749 3808
Valerie Gemmel	8307 8764
Max Kidd	9398 3521
Margaret Kidd	9398 3521
Greg Dow	9398 1103
Kimberley Foss	9734 6966

### COMPLEX

BASF - www.basf.com	
Tony Cram	9281 6335
Dow Chemical - www.dow.com	
Julian West	9226 3911
Qenos - www.qenos.com	
Iain Gilmore	9258 7333
Styron - www.styron.com	
Patrick Pedrotti	9226 3908

### COUNCIL

Cr Tony Briffa - Chair	0428 549 642
tbriffa@hobsonsabay.vic.gov.au	

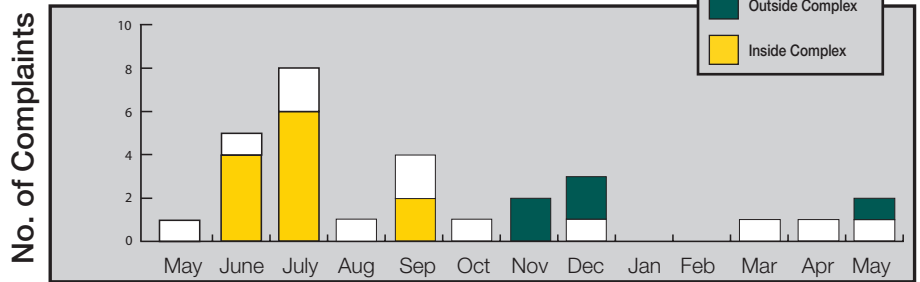
### ACNCG

Sarah Bartolo - Minute Secretary	9932-1504
Craig Bruckner - Community Services	9932 1000

### REGULATORY AUTHORITIES

Environment Protection Authority	
Myles Whelan	9695 2689
Worksafe Victoria	
Jenny Kisler	9641 155
Rob Yeoman	
City West Water	
Nathan Bennett	9313 8740

## Community Environmental Complaints May 2011 - May 2012



Source Unknown	1	1	2	1	2	1	0	1	0	0	1	1	1
Outside Complex	0	0	0	0	0	0	2	2	0	0	0	0	1
Inside Complex	0	4	6	0	2	0	0	0	0	0	0	0	0

**N**ine complaints have been received since the last Chronicle in 2011. Five were classified as outside the complex with four classified as source unknown. Four of the complaints were about noise and five for odour. They were as follows

- 5th & 9th November at 11:05pm. A loud engine noise was reported from Honeysuckle court and both were classified as Outside Complex. On both occasions the only noise detected in the investigations was traffic noise from the freeway.
- 10th December at 8:00pm. A high pitch propeller type noise was reported from Honeysuckle Court. No loud noise identified and it was classified as Outside Complex

- 18th December at 9:45pm. A plastic hydrocarbon smell was reported from Somers Parade. No odour was detected during the investigation and it was classified as source unknown.
- 22nd December at 9:15am. A complaint about noisy alarms from the Williamstown rifle club was classified as outside complex.
- 30th March at 8:30pm A reported smell from Qenos in Brook Drive was not detected during a site visit. It was classified as source unknown however it was also unlikely to be from Qenos due to wind direction.
- 22nd April at 8:40pm. A strong chemical odour reported from Brook Drive via EPA was not sourced and classified as source unknown. The odour was unlikely to have a Complex source based on wind direction
- 6th May at 8:20pm. A strong Plastic smell was reported from Somers Parade was classified as Outside Complex based on Wind direction.
- 20th May at 7:30pm. A Rich Chemical Fertiliser type odour report from Westona Station was classified as Source Unknown. No odour was detected in the investigation which was confirmed with the caller.

## Altona Complex Community Siren

If you hear this siren outside of the specified test time of 10.00am on the first Sunday of every month, do not attempt to evacuate, unless told to by Emergency Services.

1. **Go Inside any building:-** Close external doors and turn off air conditioners.
2. **Close windows and shut curtains and blinds.**
3. **Turn on the radio STEREO 97.4 (97.4FM) or television ABC Channel 2 for Police messages**
4. **Remain indoors until you are given the all clear.**
5. **Avoid using the telephone:-** Unless it's really urgent
6. **Co-operate fully with emergency services**

The warning siren is an undulating two tone siren (similar to an air raid siren). The all clear is a continuous siren.



يرجى الاتصال بمركز ويستغيت لموارد المهاجرين هاتف 93913355 للحصول على الترجمة الفورية للمعلومات أعلاه.

Za pojašnjenje gore navedenih informacija kontaktirajte Westgate Migrant Resource Centre (Centar za pitanja emigranata Westgate) na 9391 3355.

Για διευκρίνιση των παραπάνω πληροφοριών, επικοινωνήστε με το Μεταναστευτικό Κέντρο Πληροφοριών Westgate στο 9391 3355.

Per un aiuto nell'interpretazione delle informazioni sopra riportate, si prega di rivolgersi al Westgate Migrant Resource Centre al numero 9391 3355.

Ikkuntattja liċ-Centru tar-Riżors ta' l-Immigrant ta' Westgate, 9391 3355, għall-interpretazzjoni tat-taġrif li jidher hawn fuq.

Свяжитесь с Вестгейтским Центром Мигрантских Ресурсов (Westgate Migrant Resource Centre) по тел. 9391 3355 для выяснения вышеуказанной информации.

Контактирајте Вестгејт центар за пружање подршке доселеницима (Westgate Migrant Resource Centre) на 93913355 ради интерпретације горе наведених информација.

Muốn nhờ dịch thông tin ở trên, xin điện thoại cho Trung Tâm Tiền Ích Di Dân Westgate qua số 9391 3355.

*For nuisance odours or noise suspected of coming from the Complex, remember the quicker you call the better the chances to identify the cause quickly . . .*

**EPA POLLUTION  
WATCH LINE  
9695 2777**

**CITY OF HOBSONS  
BAY COUNCIL  
9932 1000**

**ENVIRONMENTAL  
24 HOUR ACTION LINE  
1800 061 050**

**Visit our Website  
www.acnCG.info**