

## MEETING MINUTES

**Subject:** Orica Botany Groundwater Cleanup (BGC) Project  
Community Liaison Committee (CLC) Meeting No. 44

**Date:** 9 March 2010

**Time:** 1.35 pm - 4.55 pm

**Venue:** Committee Room, Botany Town Hall

### Attendees:

Name	Representative for
Rick Bevan	Solvay Interlox P/L
John Burgess	Australian National Fishing Association
Bill Crowe	Orica
Bronwyn Englaro	Randwick City Council
Julia Gennissen	Botany Environment Watch & Third Ward Rockdale
James Goodwin	NSW Dept of Environment, Climate Change & Water (DECCW), Sydney Industry
Coleen Greene	Resident
Matthew Hart	DECCW, Contaminated Sites
Nancy Hillier OAM	Botany Environment Watch
Niall Johnston	DECCW, Contaminated Sites
Erika Kano-Hosoyama	Orica
John Kent	CLC Chair
Ben Lim	Orica / Botany Industrial Park
Des Low	Orica
Bob Marr	DECCW, Sydney Industry
Lynda Newnam	Botany Bay Explorers
Gonzalo Parra*	E3 Consulting P/L
Henry Peters*	La Perouse Explorers
Paul Pickering	Resident
Jason Prior	Institute of Sustainable Futures, University of Technology Sydney (UTS)
Warrick O'Brien	City of Botany Bay Council (CoBB)
Tony Rohr	Rohr Group / Hynlong P/L
Greg Russell	NSW Office of Water (part of DECCW)
Wendy Salkeld	Orica
Christa Sams	Sydney Ports Corporation (SPC)
Brian Shaw	Botany Bay & Catchment Alliance (BBACA)
James Stening	Orica
Andrew Tipple	Orica
Paul Thomas*	OneSteel Ltd / Email P/L
Laura Wythes*	DECCW, Sydney Industry

\* New attendees

## 1 WELCOME AND APOLOGIES

The Chair welcomed everyone and noted new attendees (marked \* above). Apologies were noted from the following participants:

Name	Representative for
Helena Cooke-Yarborough	Kellogg's
Stephen Corish	Orica
Marwan El-Chamy	NSW Office of Water
George Gates	NSW Office of Water
Susan Hall	Australian Environmental School.com
Kelvin Hawkins	Kellogg's
Kate Hughes	Earth Foundation Australia
Kathy Lloyd	SPC
Richard Nevill	NSW Office of Water
Peter Sangster	BBACA

## 2 MINUTES OF LAST ORDINARY MEETING

The minutes were accepted by J Gennissen and seconded by N Hillier.

### 3 MATTERS ARISING FROM LAST ORDINARY MEETING

W Salkeld reported on the status of actions as follows:

Reference	Actions	Status
Mar 09 #4	Prof Acworth to be asked to provide feedback to the CLC on the results of the assessment of maximising hydraulic containment	Pending. Prof Acworth will be briefed once draft report is finalised and feedback then provided to the CLC
Sep 09 #1	If Orica does propose to dispose of waste from the mercury cleanup project at the Kemps Creek landfill, it will ask the operators whether they have contact with any local community groups who might be interested in information about the material that Orica intends to send there, and to advise the CLC of the outcome.	Pending. Orica is still investigating options for final destination of the materials to be disposed of from the mercury cleanup project.
Sep 09 #9	Orica to report back on URS investigation into why elevated groundwater levels were observed in the eastern part of the Secondary Containment Area (SCA) and CLC to consider whether investigation by the IMC is required.	Pending. Due to S Corish's absence, no update provided. However, it was noted that hydraulic containment is being maintained even with observed elevated groundwater levels at the eastern part of the SCA.
Sep 09 #14	Orica to renew contracts with current Independent Monitoring Committee (IMC) members.	In progress.
Dec 09 #1	Orica to update the Terms of Reference for the CLC and for the IMC to include relevant ongoing actions for adoption by the CLC at the March 2010 meeting.	Completed (refer to Section 3.1)
Dec 09 #2	Prof Kueper's permission to be sought to make his video available on discs (with appropriate usage limitation labelling) for distribution at the March 2010 CLC meeting.	Completed. Prof Kueper advised that the video is to be used for personal use only. DVDs were distributed at the meeting.
Dec 09 #3	The CLC to invite Jason Prior to present his research findings once available.	Completed at Agenda Item 7.
Dec 09 #4	Following Jason Prior's presentation, the CLC to discuss further whether it wants to seek external advice on its communication strategy with the community.	Completed at Agenda Item 8.
Dec 09 #5	Results of the maximising hydraulic containment investigations (i.e. subsidence modelling) will be shared in a CLC newsletter with a note reminding residents that Orica's groundwater extraction does not cause subsidence.	Pending. The matter would be covered in the first newsletter for 2010, which will be published around May.
Dec 09 #6	W O'Brien to take on the role of CLC/community representative on the IMC following P Shepherd's retirement.	Completed.
Dec 09 #7	Orica to e-mail the CLC advising that future e-mails will be sent with e-mail addresses shown and to ask members to advise whether they do not want their address disclosed.	Completed.
Dec 09 #8	Orica to invite a photographer to take photos of a CLC meeting in 2010.	Completed. Photos taken at this meeting.

Reference	Ongoing Actions
Apr 08 #1	Orica to update the GTP Management Flow Chart, as required
Sep 08 #3	The CLC requested that NSW Office of Water undertake ongoing communication with residents regarding the ban on bore water use within the GEEA

### **3.1 CLC and IMC Terms of Reference**

E Kano-Hosoyama advised of recent changes to the CLC Terms of Reference including: P Shepherd's retirement from CoBB; replacement of S Payne by R Nevill at the NSW Office of Water; departmental name change of Primary Industry to Industry and Investment; removal of D Reed under local residents; and, correction to the company's name from OneSteel to Email. J Gennissen advised that G Brindley has left Botany Public School.

It was agreed to accept the revised CLC Terms of Reference with noted amendments. The IMC Terms of Reference was also accepted as tabled.

**Action Mar 10 #1: The Secretariat to finalise Revision 2 of the CLC Terms of Reference.**

**Action Mar 10 #2: The Secretariat to upload IMC Terms of Reference Revision 1 and CLC Terms of Reference Revision 2 onto the website.**

### **3.2 Use of Photos by Orica**

L Newnam suggested that the use of photos taken at this meeting should depend on the context. W Salkeld explained that the photos would be used in, but not limited to, newsletters, newspaper columns and the Orica website. It was noted that draft newsletters are reviewed by the CLC members, and thus, members have the opportunity to object to any photo use at that point. It was agreed that permission is given to Orica to use the photos unless stated otherwise by the members.

## **4 BGC PROJECT PROGRESS UPDATE**

B Crowe and J Stening presented an update on the BGC Project (see attached presentation).

### **4.1 Groundwater Treatment Plant (GTP)**

The CLC noted that the GTP is operating well with about 6 ML/day of groundwater being treated and up to 4 ML/day being reused. The Chair noted the difference in the GTP's performance stability now compared to the first 12 months of its operation five years ago.

DECCW queried whether Orica has been aiming to maximise water reuse. B Crowe answered that reuse is dependent on clients' needs, e.g. the volume decreased temporarily in late February due to a scheduled Qenos shutdown.

N Johnston asked what biological organisms will be used to start off the Membrane Bio-reactor (MBR) pilot trial process. B Crowe advised that the MBR will be naturally seeded by the bio-organisms in the groundwater fed to it.

N Johnston asked which anti-fouling agent will be used in the follow-up trial of Groundwater Injection & Recovery and what affect will it have on the chemical composition of the groundwater. J Stening responded that either chlorine dioxide or sodium hypochlorite were being considered. He said that the addition of these compounds to the aquifer would not significantly change the chemical composition of the groundwater as the injection will occur near the known major source area of ethylene dichloride (EDC). B Crowe added that this is consistent with NSW Office of Water recommendations and G Russell confirmed that chlorine addition is a commonly used approach for removing fouling in water supply bores.

J Burgess asked when barriers on Foreshore Rd would be removed. B Crowe reminded members that the barriers were required to safely perform routine maintenance to the secondary containment area. J Burgess commented that the barriers were a traffic hazard and had to be removed ultimately as it was inappropriate for them to remain there for the duration of the cleanup and Orica had to find a timely solution.

### **4.2 Voluntary Management Proposal (VMP)**

The CLC was reminded that there will be no change in Orica's commitment to the BGC Project under the VMP. There will be a significant decrease in Orica's administrative work, which will increase work efficiency.

N Johnston asked about Orica's corporate reporting practices. B Crowe advised that environmental non-compliances are reported to the Orica Board of Directors Environment Committee and are also recorded in Orica's Annual Report and the quarterly Safety, Health and Environment Report.

### **4.3 Consolidated Human Health Risk Assessment (CHHRA)**

The CLC noted that Jackie Wright is undertaking a routine review of the CHHRA for Orica. N Johnston recommended that the CLC consider involving Prof Priestly in the review of the CHHRA. The CLC noted that Prof Priestly was involved in establishment of the original CHHRA by reviewing the process, method and outcome. See Section 9.2 regarding discussion of IMC tasks.

### **4.4 Bore Monitoring Results**

J Burgess referred to Letters to the Editor in the 2 March 2010 edition of the *Southern Courier* written in response to Orica's February newspaper column, which discussed results from the recent residential bore monitoring event. He stated that it clearly shows that there are some community members who are not fully aware of the BGC Project and Orica's commitment to the groundwater contamination issue. He asked whether Orica will respond to this letter. R Bevan added that the letter author had developed a false perception that Orica is stating that the majority of the groundwater plume in Botany is not from Orica. W Salkeld advised that Orica will not respond directly to the letter but will aim to improve its communication on bore monitoring information so that Orica's significant contribution to the majority of the contamination plumes at Botany is clear.

The CLC queried whether Orica undertakes groundwater monitoring at Banksmeadow Public School and requested that, if so, the latest data be forwarded to the school.

**Action Mar 10 #3: Orica to check whether it has monitoring wells installed at Banksmeadow Public School, and if so, provide the latest results to the school.**

## **5 FORMER CHLORALKALI PLANT MERCURY INVESTIGATIONS UPDATE**

J Stening and W Salkeld presented an update on the former ChlorAlkali Plant (FCAP) mercury investigations and remediation plans (refer to attached handout).

J Burgess asked what kind of enclosure is proposed to be used over the excavated soil. J Stening advised that Orica is reviewing a range of options, and B Lim supported it. Given its size, it is likely to be a rigid structure. The Chair asked whether vapours in the enclosure will be mitigated using negative pressure and J Stening replied that whilst it would be difficult to completely achieve negative pressure in a large enclosure, the emission control system will aim to keep the vapour concentrations very low.

The CLC noted that Highlands Remediation Ltd (HRL) owns the soil washing plant that Orica plans to use for the remediation. N Johnston noted that soil washing technology is a very environmentally sustainable solution, which has been used previously in the Sydney region to clean up lead contamination.

R Bevan asked whether Orica is looking into cleaning the Pacific National stockpile and Southlands hot spots using the soil washing plant. J Stening advised that he is not aware of any mercury contamination in the Pacific National stockpile and that the mercury hotspots found on Southlands were not detected again in follow-up investigations.

The CLC noted that a VMP for the remediation of the FCAP has been submitted to DECCW. G Russell asked whether the FCAP VMP will be gazetted. N Johnston advised that when it is approved by DECCW it will be available on the public register and sent to CoBB, and DECCW will notify the Chair.

L Newnam and C Greene noted concern about the use of the terms 'voluntary' and 'proposal', saying it is misleading and confusing for the community. L Newnam asked whether the VMP would still be called "proposal" once it is agreed by DECCW. N Johnston explained that the terminology is set out in legislation and the term "proposal" won't change once DECCW approves the VMP. The VMP will instead be described as 'the proposal (VMP) that DECCW has agreed to' (i.e. approved).

## **6 DECCW REGULATION UPDATE**

N Johnston and J Goodwin presented an update on the regulation of BGC Project and FCAP mercury investigations (refer to attached handouts).

## 6.1 Communicating Bore Use Ban in Groundwater Extraction Exclusion Area (GEEA)

N Johnston stressed the importance of communicating the residential ban on bore water use in the GEEA. He noted that Botany has a fair amount of contamination in the aquifer, ranging from a simple leak from a petrol station to Orica's historical activities. G Russell noted that ongoing communication with residents, new and old, is an important action that the NSW Office of Water is working on (as noted on Ongoing Action Sep 08 #3). He further explained that it is difficult for the general telephone enquiries staff at the Office of Water to be able to respond with detail without background knowledge of the area and the issues. An information package is likely to be needed by these staff to assist them in answering inquiries. As they are required to respond to all water issues in NSW, they often refer people to its website. W O'Brien stated that relying on the web as the sole information tool is very limiting for the Botany community. J Burgess said that the government agencies need to work collectively to communicate about the Botany groundwater contamination with the community. W O'Brien offered for CoBB to work with the State Government in developing and communicating a clear message. The CLC offered suggestions for information to go in rates notices, notices in the local paper as well as on the CoBB website.

J Goodwin advised that DECCW has drafted a response to the letter in the *Southern Courier* (noted in Section 4.4).

## 7 COMMUNITY ATTITUDES TO *IN SITU* REMEDIATION OF CONTAMINATED SITES – RESEARCH FINDINGS

J Prior from the Institute of Sustainable Futures, UTS, presented findings of research undertaken for the Cooperative Research Centre for Contamination Assessment & Remediation of the Environment (CRC CARE). Discussion covered the following:

Question/Comment	Response
Which Orica contamination issues were the respondents referring to when you conducted telephone survey? <i>J Gennissen</i>	A large majority of the survey respondents did not distinguish between the different types of contamination, such as groundwater or hexachlorobenzene (HCB). <i>J Prior</i>
Which source of information is the broader community trusting more, the Orica newspaper column or the CLC newsletter? <i>J Gennissen</i>	Many of the respondents perceived both newspaper columns and newsletters to be sourced from Orica – the 'remediator'. On average, the respondents identified the 'remediator' as slightly untrustworthy. Respondents noted that the newsletter contained Orica's logo. <i>J Prior</i>
It is interesting to see the level of concern (41%) and interest (36%) about Orica's issue. When I distributed community information about the issue five years ago, I noticed a lack of awareness and interest. It looks like the community has experienced a cultural mind shift over the recent years. <i>J Burgess</i>	
How long did it take to conduct the research? <i>J Gennissen</i>	A year and a half. <i>J Prior</i>
How did your research compare with results from studies in the USA? <i>P Pickering</i>	There is a difference in governance structures between the USA and Australia. <i>J Prior</i>

Question/Comment	Response
<p>Did you have any non-English background residents involved in your research? What was their feedback? <i>B Englaro</i></p>	<p>Yes, telephone interviewers spoke several different languages that were relevant to the Botany area and North Lake Macquarie area population. Respondents noted that Orica could improve communication with people from culturally and linguistically diverse background. <i>J Prior</i></p>
<p>Did you find that community members were intimidated to respond or participate in your research because of lack of knowledge with the issue? <i>N Hillier</i></p>	<p>To minimise intimidation caused by face-to-face communication, we conducted a phone survey. We found that a lot of people were interested in the local contamination/remediation issue. There were about 200 people contacted that couldn't be surveyed because they were unaware of local contamination/remediation issues. People in the 18-34 age group were identified as hard to research. <i>J Prior</i></p>
<p>Can the CLC use your research findings to learn about our strengths and weaknesses, and consider and discuss the best way forward? <i>W O'Brien</i></p>	<p>Yes. The research was conducted to create a body of knowledge that was lacking in Australia. The research provides findings only and does not provide any recommendations. The CLC can use the information as it would like. <i>J Prior</i></p>
<p>The CLC could improve reaching people in the 18-34 age group and people with a non-English speaking background. <i>L Newnam</i></p>	
<p>This is good information coming from an independent source. How will the final report be made available to the public? The Botany community, especially the CLC and CPRC, should be advised when the document is published or if a media release is prepared. <i>N Johnston</i></p>	<p>The research was funded by CRC CARE. CRC CARE will be publishing the research in April/May 2010 and it will be available for free. J Prior/CRC CARE will notify the CLC Chair when the research is published. <i>J Prior</i></p>

**Action Mar 10 #4: J Prior/CRC CARE to notify the Chair when the research is published and provide information on how it can be accessed.**

**Action Mar 10 #5: J Prior to ask the CRC CARE to inform the CLC of any media releases it may plan to make about the research.**

## **8 DISCUSSION ON SEEKING EXTERNAL ADVICE ON CLC COMMUNICATIONS STRATEGY**

The Chair suggested that this discussion be postponed until J Prior's final report is available. Once the report is available, the members should read, review and think about what the CLC would like to do regarding ongoing communications.

**Action Mar 10 #6: CLC to discuss further how it would like to use the CRC CARE's research findings in community attitudes once the report is finalised.**

## **9 INDEPENDENT MONITORING COMMITTEE MATTERS**

### **9.1 Quarterly Financial Report**

The Chair tabled the latest IMC financial report and noted that there has not been any change from the previous one. E Kano-Hosoyama notified that an invoice has just been received from Prof Acworth, which will be shown on the next report.

## 9.2 New IMC Task

The Chair suggested that the CLC request that Prof Priestly perform an independent review of the revised CHHRA when it is complete. N Johnston noted that he had spoken to Prof Priestly about Orica's planned review of the CHHRA, and that he had showed interest in reviewing it.

The Chair also referred to the Human Health and Environment Risk Assessment (HHERA) for the FCAP mercury investigations, noting that it has been completed but has not been reviewed by Prof Priestly. J Stening noted that Chris Jewell, who has been appointed as the Site Auditor for the FCAP soil remediation work, is also independent and that he will be reviewing the HHERA and the Remediation Action Plan.

Members agreed to issue Prof Priestly with two new tasks: to review the revised CHHRA when it is complete; and, to review the HHERA for FCAP mercury investigation.

**Action Mar 10 #7: Chair to issue two new tasks to Prof Priestly: a) review the revised CHHRA when it is complete; and, b) review the HHERA for the FCAP mercury investigations.**

## 10 SOUTHLANDS REMEDIATION & DEVELOPMENT PROPOSAL UPDATE

E Kano-Hosoyama gave a brief update on the proposed project (see attached presentation). L Newnam asked whether the independent studies on flooding and traffic commissioned by the Department of Planning are publicly available. E Kano-Hosoyama said she will find it out and respond.

**Action Mar 10 #8: Orica to find out whether the independent reviews on flooding and traffic commissioned by Department of Planning for the Southlands proposal are publicly available.**

## 11 COMMUNITY FEEDBACK

### 11.1 Foreshore Beach Swimming and Fishing Ban

P Pickering stated that the community needs to be aware why a fishing and swimming ban is imposed at Foreshore Beach and what is being done about it. He reported that with the near completion of SPC's expansion work, Foreshore Beach will be reopened and that there is a perception in the community that the beach is not safe. Various members noted that the issue with contamination at the beach and Penrhyn Estuary is not solely due to Orica's groundwater plumes, but also influenced by various factors including historical industrial activities in the area and Sydney Water's sewer main overflow. R Bevan said that the community perceives the bans to be caused by Orica.

C Sams advised that surface water monitoring is being conducted regularly by SPC and that the information is available from SPC. J Burgess stated that the estuary area where recreational fishing has been banned due to health risks associated with toxic contaminants has now been permanently closed to the general public as a legacy of the port expansion development - the area was now a wetland and bird sanctuary with no public access. The CLC noted that the risks associated with swimming and wading in the estuary were assessed by Prof Priestly (IMC task 19). W Salkeld reported that Orica and SPC are in regular contact to share information. J Burgess commented that while Orica and SPC had historically used the same consultants for environmental monitoring it was comforting to know that any likely issues of concern would have been reported to both clients. However, as Orica was now planning to engage different consultants it was of concern that this sharing of common information would no longer occur. The concern now was the new area of beach created by SPC safe for public use had not been assessed by Prof Priestly and maybe it was prudent for this to occur. It was acknowledged though that the existence of possible toxic materials may not be entirely due to Orica but other industrial activities historically undertaken in the Botany area and disturbed as a consequence of SPC dredging / construction activities. As such the cost of any health assessment might be jointly shared between Orica and SPC.

C Sams and N Hillier noted that this issue should be addressed at the SPC Community Consultative Committee. J Burgess will address this.

## 11.2 Other

J Gennissen advised that the Concerned Citizen Association of Rockdale Third Ward appreciates copies of Orica's monthly columns in the *Southern Courier*.

## 12 OTHER BUSINESS

### 12.1 No. 32 Page Street, Pagewood, Groundwater Contamination Investigation & Remediation Proposal

P Thomas from Email Pty Ltd<sup>1</sup>, provided information about the groundwater contamination from the former Email site, which is now vacant, at 32 Page Street (corner with Holloway Street), Pagewood. The following matters were noted:

- 32 Page Street, Pagewood, was formerly owned by Email and is located in the northern end of the GEEA. Industrial operations commenced in 1974 when it was owned and occupied by Grimwood Electrical. Trichloroethene (TCE) and tetrachloroethene (PCE) (both are chlorinated hydrocarbons and dense non-aqueous phase liquids [DNAPL]) were used at the site and were released to the environment due to poor practices, causing groundwater contamination in the area. The site's ownership changed to Email in 1989 and industrial operations ceased in 1999. Ownership of Email has changed to OneSteel Ltd. DECCW declared the site significantly contaminated land in 2005.
- Various investigations have been conducted on and off site since 2005 and Email has been working closely with DECCW. The company has engaged E3 Consult and a DECCW accredited Site Auditor. A VMP has just been submitted to DECCW and should come to force soon.
- The contamination source area is found close to the centre of the site. 117 monitoring wells have been installed on- and off-site. Off-site wells were installed in northeast (Pagewood Primary School), east and south of the site. There are no monitoring wells installed to the west of the site. Comprehensive groundwater monitoring was conducted in January 2010 and results are not yet available. On-site investigations to date include excavation to investigate the source area and removal and containment of asbestos-containing materials. A pilot scale trial has also been conducted of a remediation technology, *In Situ* Chemical Oxidation, where chemicals are injected to oxidise and destroy the DNAPL. The trial was inconclusive.
- The VMP submitted to DECCW includes development of a Remediation Action Plan, which reviews feasible remediation technology options. A quantitative human health risk assessment is being prepared and will be finalised in June 2010, which will include findings from soil vapour monitoring that has been conducted. Quarterly groundwater monitoring will be conducted, and it is planning to install additional deep wells. Wells will also be installed on Simon Walk, which will assist in delineation of the groundwater plume.

N Johnston raised the idea of looking for opportunities for collaboration by remediators on remediation technology. P Thomas and J Stening both agreed that this could be advantageous for both parties.

The CLC discussed ongoing communication of this project. The CLC agreed that community consultation must be initiated by Email, noting the importance of declaring its accountability for the contamination at the former Email site. W Salkeld informed the CLC that L Mahony had asked her whether a street meeting is going to be held by DECCW/Email. P Thomas advised that he has submitted a communications plan as part of the VMP. N Johnston offered that DECCW and CoBB could organise a street meeting as a starting point. The CLC discussed that community perceptions would link the former Email site contamination with Orica and agreed that it is not appropriate for Email to use the CLC platform as its communication forum for updates on its remediation progress. W O'Brien requested that when information is being communicated on the former Email site that CoBB be involved. N Johnston stated that it is important to note in the communications that there is a difference in the scale of contamination caused by Orica and that created at the former Email site.

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<sup>1</sup> Email Pty Ltd is now owned by OneSteel Ltd. As OneSteel has never operated at the former Email site in Pagewood, it has requested that the reference to the groundwater contamination be associated with Email only.

## **12.2 Combining CLC and Community Participation & Review Committee (CPRC) Newsletters**

W Salkeld explained that as per her email sent on 24 February, the last CLC newsletter was deferred as a CPRC newsletter was required at almost the same time. The Chair suggested asking whether the CLC would be open to combining CLC and CPRC newsletters. J Burgess noted that from the community's point of view, it makes sense to receive only one newsletter from Orica but ensuring that a manageable amount of information can be presented will be a challenge. N Hillier and J Gennissen stated that it was important not to combine the CLC and CPRC committees even though newsletters could be combined. The CLC agreed to preparation of combined CLC/CPRC newsletters. W Salkeld agreed to ask the opinion of the CPRC.

**Action Mar 10 #9: Orica to seek the CPRC's view on combined CLC/CPRC community newsletters.**

## **12.3 Letter of Appreciation to P Shepherd**

The Chair tabled a letter he had written and sent on behalf of the CLC to P Shepherd for his involvement in the committee and received support

## **12.4 Change of Orica's Consultancy for Monitoring**

J Stening advised that Orica is now using Golder Associates for much of its monitoring work instead of URS.

## **13 NEXT MEETING/CLOSE**

The meeting closed at 4.55 pm. The date of the next meeting is 15 June 2010.

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### **Attachments**

1. Presentation handout: BGC Project update by Orica
2. Presentation handout: Update on Regulation of Orica Groundwater Contamination by DECCW
3. Presentation handout: Former ChlorAlkali Plant Mercury Investigations Update by Orica
4. Presentation handout: Southlands remediation and Development Project Update by Orica

NB: CRC CARE has requested that Jason Prior's presentation not be circulated as the report is not yet finalised.

## Summary of Outstanding & Ongoing Actions

Meeting and Reference	Actions	Status	Responsibility
Mar 09 #4:	Prof Acworth to be asked to provide feedback to the CLC on the results of the assessment of maximising hydraulic containment	Pending	Chair
Sep 09 #1	If Orica does propose to dispose of waste at the Kemps Creek landfill, it will ask the operators whether they have contact with any local community groups who might be interested in information about the material that Orica intends to send there, and to advise the CLC of the outcome.	Pending	Orica
Sep 09 #9	Orica to report back on URS investigation into why elevated groundwater levels were observed in the eastern part of the SCA and CLC to consider whether investigation by the IMC is required.	Pending	Orica
Sep 09 #14	Orica to renew contracts with current IMC members.	Pending	Orica
Dec 09 #5	Results of the maximising hydraulic containment investigations (i.e. subsidence modelling) will be shared in a CLC newsletter with a note reminding residents that Orica's groundwater extraction does not cause subsidence.	Pending	Orica
Mar 10 #1	The Secretariat to finalise Revision 2 of the CLC Terms of Reference.	New	CLC Secretariat
Mar 10 #2	The Secretariat to upload IMC Terms of Reference Revision 1 and CLC Terms of Reference Revision 2 onto the website.	New	CLC Secretariat
Mar 10 #3	Orica to check whether it has monitoring wells installed at Banksmeadow Public School, and if so, provide the latest results to the school.	New	Orica
Mar 10 #4	J Prior/CRC CARE to notify the Chair when the research is published and provide information on how it can be accessed.	New	J Prior/CRC CARE
Mar 10 #5	J Prior to ask the CRC CARE to inform the CLC of any media releases it may plan to make about the research.	New	J Piror
Mar 10 #6	CLC to discuss further how it would like to use the CRC CARE's research findings in community attitudes once the report is finalised.	New	CLC
Mar 10 #7	Chair to issue two new tasks to Prof Priestly: a) review the revised CHHRA when it is complete; and, b) review the HHERA for the FCAP mercury investigations.	New	Chair/W O'Brien
Mar 10 #8	Orica to find out whether the independent reviews on flooding and traffic commissioned by Department of Planning for the Southlands proposal are publicly available.	New	Orica
Mar 10 #9	Orica to seek the CPRC's view on combined CLC/CPRC community newsletters.	New	Orica
	<b>ONGOING ACTIONS</b>		
April 08 #1	Orica to update the GTP Management Flow Chart, as required	Ongoing	Orica
Sept 08 #3	The CLC requested that DWE undertake ongoing communication regarding the ban on bore water use by residents within the GEEA	Ongoing	G Russell (NSW Office of Water)

Distribution of Minutes\*: Attendees and apologies, plus

Name	Representative of
Ms Raelene Oliver	Amcor
Mr Tony Murray	Asciano
Mr John Owen	Banksmeadow Public School
Mr Pat Williams	Botany & Eastern Region Environmental Protection Agency (BEREPA)
Ms Laurel Wolfram	BEREPA
Mr Peter Sangster	Botany Bay & Catchment Alliance
Mr Bernie Clarke	Botany Bay Planning & Protection Council
The Principal	Botany Public School
Mr John Taylor	CCB Rockdale
Mr Erwin Benker	DECCW
Mr David Gathercole	DECCW
Ms Patricia Fabiano	DECCW
Ms Elizabeth Jefferys	EAJ Consultants/resident
Mr John Tullis	Eastlakes Community Group
Dr Kate Hughes	Econeco
Mr Peter Wood	Gazal Corporation Limited
Ms Rebecca Andrews	John Brotchie Nursery School
Mr Andrew Scott	JP Morgan
Mr James Chown	Linfox
Ms Alicia Ferreira	Maritime Container Services
Mr Simon Symeou	Matrville Public School
The Hon. Kristina Keneally, MP	Member for Heffron, NSW Premier, and Minister for Redfern Waterloo
The Hon. Michael Daley, MP	Member for Maroubra, Minister for Police, and Minister for Finance
Mr Adam Capon	NSW Department of Health
Mr Santo Cannata	Southern Eastern Sydney Public Health Unit (SESPHU), NSW Health
Mr Mehmet Dariverenli	SESPHU, NSW Health
Ms Carla Gannasin	NSW Dept. of Industry and Investment
Mr Peter Turnell	NSW Dept of Industry and Investment
Mr Graeme Dunlavye	NSW Maritime Authority
Mr Richard Nevill	NSW Office of Water
Mr Marwan El-Charmy	NSW Office of Water
Mr George Gates	NSW Office of Water
Mr Paul Thomas	Email P/L / OneSteel Ltd
Mr James Fairweather	Orica
Mr Ross Fraser	Orica
Mr Peter Lucas	Orica
Ms Michelle Skehan	Orica
Ms Lisa Walters	Orica
Mr Colin Wiley	Orica
Mr Michael Selleck	Orica
Mr Jeff Kitz	Overseas visitor
Ms Marella Hogan	Pagewood Public School
Mr Len Mahony	Resident
Mr Mark and Tony Rohr	Rohr Group – Hynlong P/L
Mr Jasper Childs	RTA
Mr John Tourier	Save Botany Beach