

**Botany Groundwater Cleanup Project
IMC Meeting
DRAFT MINUTES**

Meeting Date: Friday 10th November 2006

Meeting Location: Orica Main Administration Building, Beauchamp Road, Matraville

Meeting commenced at 1.45 pm and closed at 2.30 pm.

Meeting Attended by:

Name	Role	Initials used in minutes
John Kent	CLC Chair	JK
Dr John McCracken	IMC Core Member, Process Engineering specialist	JMc
Prof. Ian Acworth	IMC Core Member, Hydrogeology specialist	IA
Paul Shepherd	City of Botany Bay Council (CoBB), CLC Representative on IMC	PS
Dr Chris Clunies-Ross	IMC Auxiliary Member, dioxin specialist	CCR
Dr Mark Hibberd	IMC Auxiliary Member, air modelling specialist	MH
Prof Brian Priestly	IMC Auxiliary Member, human health risk assessment specialist	BP
Lucy Archer	Orica Community Relations (secretariat support to IMC)	LA
In Part		
Mathew Hart	Department of Environment and Conservation (DEC)	M Hart
James Stening	Orica	JS
Bruce Gotting	Orica	BG

Minutes distributed to the above and:

Botany Groundwater Community Liaison Committee
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	Item	Action
1	Recap on meeting with CLC	
	JK thanked the IMC for their contributions at the meeting with the CLC and asked how they felt the meeting had gone.	
	The members discussed the meeting and agreed that it had been very useful.	
2	Outstanding actions from previous minutes	
	<i>LA noted at the May IMC meeting that professional indemnity and public liability insurance details need to be cited. JMc has provided details. Other IMC members to provide details to LA.</i>	IA, CCR, BP & MH
3	New Orica and IMC tasks	
	LA summarised the new IMC tasks as follows: <ul style="list-style-type: none"> - Task 6. CCR to provide a flow sheet of dioxin sources. - Task 7. IA to provide a summary of how previous large-scale groundwater extraction has affected groundwater movement near the Botany Industrial Park. A full copy of the source report also to be made available to the CLC. 	CCR IA
	LA summarised the Orica tasks as follows: <ul style="list-style-type: none"> - Orica to tell the CLC what the depth to groundwater is at each of the local schools (Banksmeadow, Pagewood and Matraville). - Orica to provide settlement monitoring results at the December CLC meeting. 	JS JS
	PS to formally request Tasks 6 and 7 of the IMC. PS to request a time frame and	PS

	Item	Action
	costing for each task.	
4	Groundwater level monitoring	
	<p>The IMC discussed IA's recommendation that the Orica groundwater level monitoring program be reviewed to allow for more monitoring at the northern boundary of the model and less to be conducted at the BIP.</p> <p>PS asked that Orica prepare a proposal for revised groundwater level monitoring and provide it to IA for comment in advance of submitting to the DEC.</p> <p>This suggestion was flagged with M Hart, who said that any change to the monitoring program would need to be reviewed by the DEC and would need to be in accordance with the Notice of Cleanup Action.</p>	JS/ IA
	IA noted that Task 7 would need to be based on existing information and all agreed that a brief summary of existing information was appropriate.	
5	Dioxins	
	PS asked if any of the IMC members required additional information to be confident that progress of the cleanup and operation of the Groundwater Treatment Plant (GTP) was acceptable.	
	BP asked what the ongoing DEC requirements were in relation to dioxin emissions. LA noted that Orica's Environment Protection Licence stipulates a commissioning period where dioxin non-conformances can be discussed with experts and amendments to the plant made. A review of the commissioning plan duration is currently underway. Ongoing dioxin monitoring is required.	
	<p>CCR noted that a CLC member had suggested to him that, given that dioxin results have been better at lower operating temperatures, trials at lower temperatures should be conducted. CCR had raised this briefly with Bob Marr of the DEC who suggested that the IMC could write to the DEC with this suggestion if they wished.</p> <p>The IMC agreed that PS, as CLC representative on the IMC, should write to the DEC (via Bruce Gotting of Orica) to say that, as improved stack emissions have been found at lower operating temperatures, the CLC and IMC would like to see an active program introduced to identify the optimal temperature where dioxin emissions are within specification and green house gas emissions can be minimised.</p>	PS to draft letter and send to BG
6	Coastal end of aquifer and interaction with Sydney Ports development	
	IA asked what requirement there was for Orica to continue monitoring in the area of the Ports Development once it is underway. PS noted that Council had received copies of draft monitoring plans for comment and LA noted that Orica has requested copies of the monitoring plans and Sydney Ports have advised that they will provide Orica copies once they have received comments from the review agencies and Council.	
	IA noted that he is not familiar with the development proposal but that changes to flushing at Penrhyn estuary will be of interest and that increased boundary conditions will mean that Orica has to pump from the Secondary Containment Area more carefully. IA noted that it would be in Orica's best interests to get some baseline monitoring data prior to commencement of the port development works.	
	PS noted that he is a member of the Ports Development Community Consultative (CCC) Committee and that if the CLC or IMC has questions on the project he is happy to receive them and table them at CCC meetings.	
	IA suggested that Sydney Ports be asked to prepare a paper outlining how the groundwater cleanup project will be affected by the port development. PS to ask this question at the next CCC.	PS
	LA asked that the IMC submit outstanding invoices for all work completed to date.	IMC
	LA to prepare minutes from this meeting and provide to IMC for review and comment. Final minutes to be provided to the CLC.	LA
	Meeting closed at 2.30 pm	