



Orica Former ChlorAlkali Plant Mercury Investigations Update

Presentation for Community Liaison Committee

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Soil Washing Trials

- Drums of soil collected from various areas of the Former ChlorAlkali Plant
- Drum washing commenced 1 August 2008
- Final drum (19th) drum washed on 5 September 2008
- Overall, trials were successful although some technical matters observed
- Orica and contractors are preparing reports discussing the outcome of the trials
- Reports will be issued to Botany Council, DECC and made available to the community



Human Health and Environmental Risk Assessment (HHERA)

- HHERA assesses potential risks:
 - mercury in soils and groundwater
 - human health and environment
 - areas in/around/hydraulically downgradient of former ChlorAlkali Plant
- HHERA also derives Risk-Based Concentration for mercury in soil
 - Assist in determining extent of remediation required to address risks
- Health risks on-site: unacceptable
- Health risks off-site: acceptable
- Environmental risks:
 - Mercury impacted water has not discharged to any receiving environment (Springvale Drain/Penrhyn Estuary)
 - But mercury in soil and groundwater beneath site provides ongoing source therefore requiring consideration of future risks
- Recommends including mercury analysis of surface waters
- HHERA report submitted to DECC 21 August

Next Steps

- Preparation of Remedial Action Plan
 - Cleanup of soils in areas where mercury concentrations exceed Risk-Based Concentrations
- Preliminary design work for full-scale remediation
 - Planning or other approvals may be required
- Communication continues with BIP workers, nearby businesses and broader community through column and webpage (in the final stages of development) and the CLC (meetings/newsletters)



