

Update on Regulation of Orica Groundwater Contamination

**Groundwater Community Liaison Committee
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Contaminated Sites**

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Sydney Industry**



Overview of Presentation

- **Contaminated Sites**
 - **Progress under the Clean up Notice**
 - **Other related matters**
- **Sydney Industry**
 - **Groundwater Treatment Plant**
 - **Environment Protection Licence**
 - **IMC Task 21**



Progress under the Clean up Notice

- **Review of DNAPL remediation technologies**
 - **Under the Clean up Notice, Orica is required to consider best practice technology in the remediation of DNAPL through ongoing research**
 - **Yesterday, DECC met with Orica and Mike Kavanaugh, a DNAPL expert, to discuss recent developments in the DNAPL research**



Other related matters

- **Former Chlor Alkali Plant – DECC is currently reviewing a mercury fate and transport report and a HHERA report, which were recently provided to DECC for review**
- **Penrhyn Estuary – Certain monitoring locations will be lost due to the restructure of the Estuary. Once enhancement works have been completed, DECC will work with Orica to establish new monitoring locations**

Groundwater Treatment Plant

- **Chlorine concentration exceedance – Warning Letter**
- **Ammonia reduction strategy progressing well**
- **Final ecological monitoring report reviewed**
- **NATA accreditation of GTP Laboratory progressing**
- **Annual return due**



Environment Protection Licence Changes

- **Requirement for 3rd Independent Auditor Report**
- **Frequency for dioxin monitoring**
- **Air monitoring for GTP (Points 9 and 10) and start-up, shut-down provisions**
- **Other changes (load limits, breakthrough limits)**
- **Further changes likely**



IMC Task 21 – John McCracken

- **Chemicals referred to in task 21 update not expected in GTP discharge water**
- **DECC has requested Orica to assess for presence of semi-volatile chemicals**
- **Limitation of DECC involvement in sewer discharges**