



Former ChlorAlkali Plant Mercury Investigations

CLC Update

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8/12/2009

Project Update

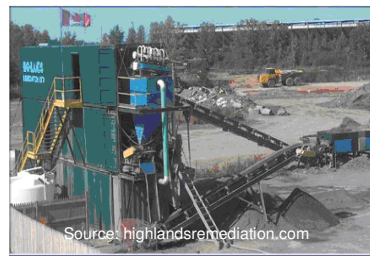
- Project objectives:
 - Remediate groundwater contamination source – the soil
 - Render FCAP site suitable for industrial/commercial use
- Voluntary Management Proposal - aim to submit to DECCW this year
- Chris Jewell appointed as DECCW accredited Site Auditor
- URS engaged to prepare a Remediation Action Plan (RAP)
 - Soil remediation plans, including treatment criteria
 - Environmental controls, including mercury emission controls
 - Environmental monitoring program
- Soil remediation currently scheduled for July 2010 for ~5 months
 - Category 2 works – does not require an Environmental Assessment
- Orica will consult with the CLC, BIP employees, Denison Street residents and railway operators as the project progresses

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Soil Remediation Plans

- Soil Washing Plant:
 - To be shipped from Canada
 - To be established on Block L
 - Limited plant availability
- ~ 24,000 tonnes of soil (to be reinstated on site) – preliminary estimate
- Recovered mercury to be sold for reuse
- Contaminated soil fractions - plan to send to licensed landfill
- ~12,000 tonnes of contaminated concrete (estimate) – plan to send to licensed landfill



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Mitigation of mercury emissions

- Air emission modelling required to plan detailed design of remediation approach and emission control measures
- Mercury emission sources to be managed:
 - Fugitive emissions from soil washing plant
 - Excavated soil stockpile (at soil washing plant)
 - Contaminated soil fractions (at soil washing plant)
 - Excavated surfaces
- Trials planned to determine approach to control emissions from excavated surfaces
 - Trials at areas excavated during concrete cutting trials
 - Custom-made tarpaulins to be trialled to capture vapour
 - Vapour might be directed to small stack with activated carbon filters – licence change to be requested from DECCW



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Further Groundwater Investigations

- Two new wells installed west of railway line
- Additional offsite groundwater sampling to further understand movement of mercury plume
- Geochemical analyses to better understand how groundwater conditions could be influencing the mobility of mercury
- Results will feed into fate and transport model (attachment to the RAP)



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