

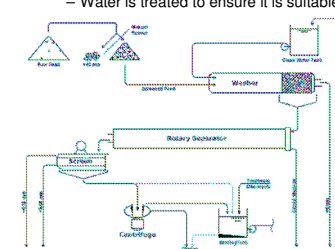
Orica Former ChlorAlkali Plant Mercury Investigations Update

Presentation for Community Liaison Committee

James Stening
1 April 2008

Proposed Soil Washing Trials

- Screening and washing mercury contaminated soil – 20 kg/hr pilot plant
 - 'Treated' soil is tested to ensure it is suitable for reuse
 - Water is treated to ensure it is suitable for reuse or disposal




Step 1: 10 cm "grizzly" to remove coarse material – reuse on site

Step 2: washing with equal parts water – +6 mm 'product'

Step 3: rotary separator – liquid (elemental) mercury removal


Step 4: screening – two sieves (start with -6 to +0.18 mm 'sand' and -0.18 to +0.04 mm 'silt')

Step 5: slurry dewatered in centrifuge
Water treated in settling tank for reuse
Sludge from centrifuge and settling tank chemically 'fixed' for disposal

1 April 2008 


Milestones

- Additional soil and groundwater sampling in February/March 2008
 - Additional data for Hydrogeological Conceptual Model and HHERA
 - Test pits in former ChlorAlkali Plant area
 - > Samples for soil washing trials
 - > Confirm appropriate analytical method
- Submitted Preliminary Hydrogeological Conceptual Model to DECC in late March 2008
- Complete HHERA and submit to DECC at end May 2008
 - Present to CLC in June 2008 meeting
- Commence Soil Washing Trials – May 2008
 - Notification to City of Botany Bay Council and DECC in April 2008

1 April 2008 

Milestones (cont.)

- Completion of Remedial Action Plan
 - Dependent on outcome of soil washing trials
- Remediation of contamination identified at the former ChlorAlkali Plant area
 - NB: Subject to planning or other approvals that may be required



1 April 2008 