



Restoring. Protecting. Informing.

General earthworks and backfilling with Suitable for re-use materials



Restoring. Protecting. Informing.

Building a Cofferdam in Contaminated Ground





Restoring. Protecting. Informing.

Cofferdam/Lagoon 2 Overview



Restoring. Protecting. Informing.

Excavation of the Waste Tip





Restoring. Protecting. Informing.

Confined spaces – escape sets chemical resistant boots – or they melt!



delivered by



Restoring. Protecting. Informing.

REMEDIATION TECHNOLOGIES



delivered by



Restoring. Protecting. Informing.

Aerial View of the Waste Tip Processing Plant



37

delivered by



Restoring. Protecting. Informing.

Waste Tip Processing



38

delivered by





Restoring. Protecting. Informing.

Remediation - Complex Sorting Used on Waste Tip Area – 250,000 m3



- 25mm down
 - 50,000m3 soil wash
 - Flotation tank for wood, plastics etc
- Clean material to site – sludge to thermal/bio

Recyclables removed off site



25 screen – oversize to
Ballistic separator– separated waste
streams
Clean to site
Thermal
Bio



Asbestos removal
– separation at excavation face
hand sorting on conveyor belt
Magnetic belt
75mm finger screen – oversize to crusher and site



delivered by



Restoring. Protecting. Informing.

Picking station



delivered by





Restoring. Protecting. Informing.

Discard bins



41



Restoring. Protecting. Informing.

Output stockpiles



42





Restoring. Protecting. Informing.

Timber stockpile from tip



Restoring. Protecting. Informing.

Bio-Remediation





Restoring. Protecting. Informing.

Remediation - Thermal Desorption

Used on high contamination lagoon and waste tip material - 300,000m³



Destroys all organic contaminants

Highly variable material to be treated

Material blended to give consistent feedstock

- Moisture content -
- Calorific Value –

Plant capable of treating 25 t/hr of blended feedstock

Plant to run 24 hours per day 7 days per



Restoring. Protecting. Informing.

Off-gas ducting to feed carbon filters





Restoring. Protecting. Informing.

Excavation of Lagoon 4 sediments



Restoring. Protecting. Informing.

Loading into haulage trucks





Restoring. Protecting. Informing.

Delivery to mixing area



Restoring. Protecting. Informing.

Discharge into Storage pit





Restoring. Protecting. Informing.

Mixing Pit Filled With Lagoon 4 Sludges



Restoring. Protecting. Informing.

Loading into the plant





Restoring. Protecting. Informing.

Treated Material



Restoring. Protecting. Informing.

Water Treatment Plant (inc. Bioreactor)





Restoring. Protecting. Informing.

Thermal Treatment Plant



55



Restoring. Protecting. Informing.



56





Restoring. Protecting. Informing.

Working in Partnership with all

Working with others to find a mutually acceptable solution

Partnership working is the project ethos.

This has led to a partnership solution to the challenges on the site

Involving the community in the process by

- Community liaison groups
- Consultation events
- Information Centre
- Newsletters
- Website

For more information log onto www.theavenueproject.co.uk
or contact - foweather.marcus@decukltd.com

