Nordrocs 2012

DEC

Environmental Contractor

The Avenue Coking Works Remediation

Stany Pensaert - Head of R&D Department
Gunther De Becker – R&D Process Engineer

The Site

Chesterfield

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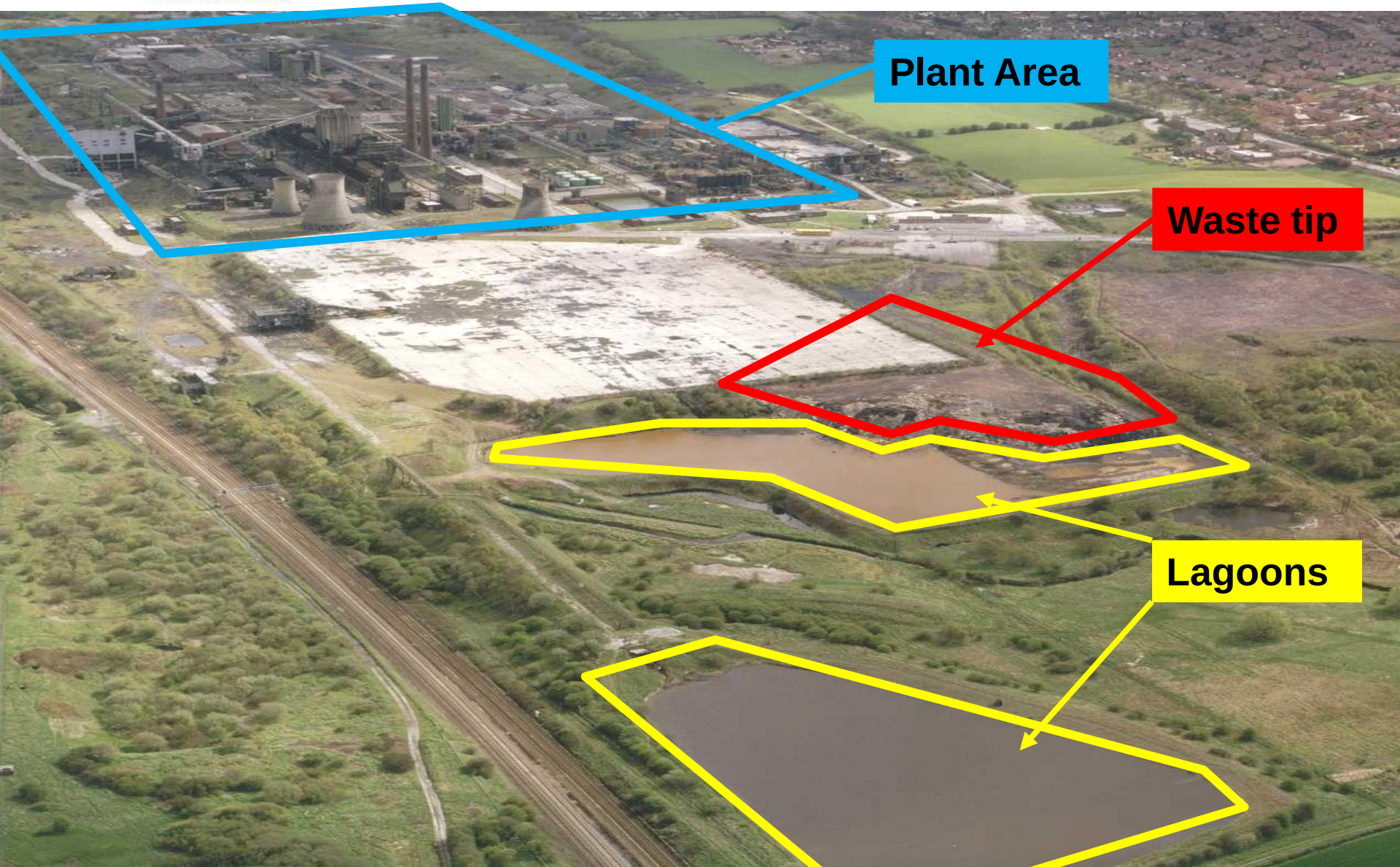
Main Contamination Areas



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The Pollution

Remediation Objectives

- Develop the site into mixed purpose site for residential, commercial, leisure uses:
  - 28 ha development
  - 5 ha sport fields
  - 70 ha nature
- River remediation
- Maximal reuse/recycling of materials present on site.

Project Overview

- The final project includes:
  - 2,200,000m3 of earthworks
  - 250,000 m3 of complex sorting
  - 50,000 m3 of soil washing
  - 75,000m3 of bioremediation
  - 300,000 m3 of thermal desorption
  - 250,000 m3 of soil manufacture
  - Construction of a substantial water treatment plant

- Total project cost approx. £172,000,000 of which £85,000,000 for the remediation.

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Bioremediation

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Complex Sorting & Soil Washing

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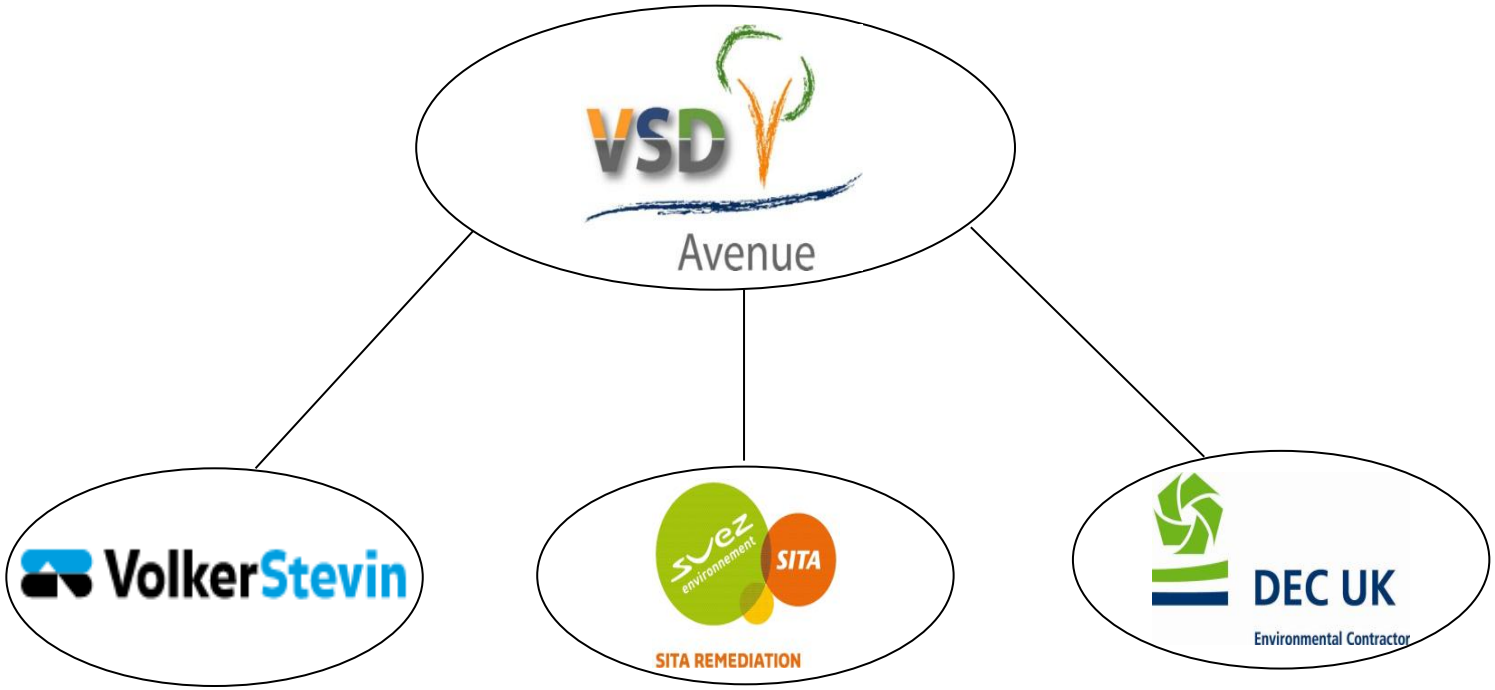
Thermal Desorption

The Project Team



VSD Avenue

Homes & Communities Agency

delivered by

east midlands development agency

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Project Movie

www.youtube.com/watch?v=bASRUQIeHm0