



VIRIDOR



JUNE 2016 TO SEPTEMBER 2016

Parkwood LTP Fabrication Works Case Study

The Parkwood Leachate Treatment Plant is operated by Viridor Waste Management (Viridor). Located at the Parkwood Landfill Site in Sheffield, it is designed to treat leachate generated from the Parkwood landfill Site before being discharged to sewer.

Fabrication Works

Phoenix was commissioned by Viridor to refurbish various parts of the leachate treatment plant. One area that required improvement was access to the top of the large concrete process tanks. The previous access was via vertical ladder to a platform located at the top of the tanks.

Viridor no longer considered the use of vertical ladders a means of safe access to the platforms and so commissioned Phoenix to install new galvanized access steps, integrated into the existing tank platforms.

Phoenix undertook an initial site survey of the existing structures and concrete hardstandings where the steps would be founded. A structural analysis was undertaken and a design was agreed.

Phoenix undertook the detailed structural design, developed fabrication drawings,

fabricated and installed the access steps, integrating them into the existing steel platforms located at the tops of the process tanks.

The access steps were fabricated at Phoenix Fabrication Unit and sent for galvanizing at a local galvanizing company.

It was then transported to site where Phoenix undertook the full installation involving working at height procedures and equipment.

All fabrication works was undertaken to BS EN 1090-1 with execution class 2, integrated with our ISO 9001 and 14001 procedures to provide a complete audit trail for Viridor's quality and environmental records.



Fabrication

All fabrication was undertaken at the Phoenix Fabrication Unit in Cornwall.



Galvanizing

All fabricated steel was galvanized locally, stored and then transported to site for installation.