

PROJECT PROFILE



BP Freeway Service Station

- LPG Fuel System Installation

Client: Enviro Pacific Services
Location: Kwinana Freeway, - Northbound and Southbound, Baldivis WA
Start Date: 31 March 2015
End Date: 27 November 2015
Contract: Installation
Category: Industrial
Industry: Retail

Williams Fuel Systems (WFS) was appointed by Enviro Pacific Services to supply and install LPG tanks, dispensers and associated pipework for the Auto Gas dispensing system for BP's dual state-of-the-art Freeway Service Stations on the Kwinana Freeway at Baldivis.

The \$35 million facilities, on opposing sites either side of the Kwinana Freeway are a first for Western Australia, catering for commercial hi-flow diesel vehicles as well as private vehicles travelling between Perth and the South West of the State. The dual facility is collectively the largest LPG retail site in WA, with both sites comprising an underground 30kl tank, each supplying three dispensers, facilitating five hoses.

WFS' project manager and P class certified LPG supervisor oversaw the project to ensure safe work practices and quality installation practices were maintained throughout – resulting in an incident and injury free delivery.

Daily prestart meetings were held to review the program of works

and discuss any potential hazards together with mitigating measures.

All contracted works were undertaken by qualified WFS employees, with the exception of the coded welding on all pipework and specialist tank-testing techniques. Both specialised services were engaged and managed by WFS.

The transportation of the 30kl tanks, the dispensers' c-w bases and the control panels from NSW to the Baldivis site was included in the scope of works. WFS coordinated the logistics of the delivery, which required close liaison with supplier, freighter, civil and fuels contractor to ensure successful conveyance.

Upon delivery statutory testing was undertaken on the tanks, which uncovered a small amount of damage to the anticorrosion coating encountered during transportation. WFS' procured a specialist paint, which they applied to the tanks. Subsequent tests were satisfactorily passed. The tanks were then geothermally wrapped before being installed in the ground, with minimal impact on program of works.

In conjunction with the LPG works, WFS were able to combine

resources with Williams Electrical Service for installation of electrical supplies, controls, communications and pneumatics. This enabled an extremely efficient combination of resources to assist point of sale technicians with communications and addressing of LPG dispensers.

In addition to the contracted works, the WFS project team was able to assist and advise the head contractor with location and installation of dispenser impact protection bollards; assist the head contractor and fuels contractor with technical interpretation of LPG schematics and drawings; and applied modifications along with additional signage to LPG dispenser emergency stop buttons to ensure statutory compliance.

WFS have successfully maintained a close working relationship with client Enviro Pacific Services over the delivery of multiple projects. This particular project was delivered on time, on budget and was incident and injury free, resulting in a commendation from the client and from BP to the WFS team members involved in the project.

