



WEST GATE TUNNEL SPOILS CLASSIFICATION

CONTAMINATED LAND

EP Risk (working alongside our partners Agon Environmental) managed 24/7 tunnel spoil sampling and waste classification works on the West Gate Tunnel project in Melbourne.

Due to strict project timeframes and deadlines, prompt classification of the waste generated by the two tunnel boring machines was critical to ensuring the project continued on schedule.

Working around the clock with our dedicated pool of field and office staff we were able to successfully meet our project deadlines to ensure a successful tunneling program was completed.

PROJECT OUTCOME

Based on the early project conceptual site model and design works, there were known impacts of PFAS compounds in soil and groundwater along the alignment of the two tunnels.

Due to the nature of tunnel boring, a vast volume of groundwater, soil and rock was being removed for the project. Due to the potential contaminants being present in the tunnel spoil, all waste had to be sampled as it

was removed from the tunnel and then placed in a holding cell while waste classification reporting was completed.

A rigorous reporting review and approvals process ensured that all spoil was properly transported, stored, classified and ultimately disposed of properly according to its waste classification. This process ensured there was no potential for site contaminants to be spread to the environment.

SERVICES PROVIDED

- Tunnel spoil sampling
- Tunnel spoil waste classification reporting
- Groundwater monitoring
- Wastewater treatment system monitoring and sampling
- Regulatory compliance monitoring and reporting

CLIENT

CPB/John Holland JV

LOCATION

Yarraville, Victoria

CONTRACT VALUE

\$1.5 million