Project Title:
Barangaroo Stage 1C Basement Excavation

Scope:
Asbestos and Occupational Hygiene services
Air Monitoring
Clearance Inspections and Certification
Waste Classification
Soil Validation

Client:
Ward Civil and Environmental Engineering Pty Ltd

Location:
Barangaroo, Sydney NSW

Project Value
$1.3 million

Barangaroo Stage 1C Basement Excavation – Occupational Hygiene, Waste Classification and Validation Services

EP Risk were engaged by Ward Civil and Environmental Engineering Pty Ltd ('Ward') to provide professional occupational hygiene, waste classification and validation consulting services during the excavation of the basement for Stage 1C at Barangaroo, Sydney NSW. The fill material throughout the site is impacted with asbestos, hydrocarbons and heavy metals from the former gasworks located at the Site.

The basement excavation is being undertaken in a top down manner simultaneously to the main structure which is erected upwards. The basement is therefore being excavated under restricted space conditions.

Services Provided

- Review of Management Plan documentation.
- Provision of Asbestos Fibre Air Monitoring.
- Review of Asbestos Removal/Remediation Control Plans.
- Training and Inductions for entry into contaminated/restricted zones.
- Air Monitoring for harmful gases in restricted spaces, including CO, CO_2, NO, NO_2, NO_x, SO, SO_2, H_2S and VOC.
- Dust and Particulate monitoring, including Diesel Particulates, $PM_{2.5}$ and PM_{10}.
- Noise and Odour Monitoring at strategic boundary locations.
- Clearance inspections and air monitoring following removal works.
- Provision of clearance and waste classification documentation.

Project Outcome

This project is currently in progress with the first stage (Basement B1) completed in January 2018.
EP Risk continues to provide reliable occupational hygiene monitoring and waste classification services in a timely manner.