

Environmental Site Assessment- Brisbane Airport Roundabout



Assessment of environmental risks in a sensitive transport corridor construction project

Client: Thiess John Holland / Airport Link Project

Thiess John Holland (TJH) and Brisbane Airport Corporation (BAC) established an interface agreement to allow the construction of the Airport Roundabout Upgrade comprising road widening and construction of flyover structures along Airport Drive. The area of development was identified as BAC land which would be affected by ARU project works. The site posed a number of potential environmental and human health risks associated with the historical activities including drum reconditioning and steel fabrication and acid sulphate soils. E3 completed a sampling program to determine the nature and extent of contaminated material within the area of proposed development, including to the north bank, south bank and within the centre medium strip of Airport Drive.

Human health and ecological risks were identified as part of the assessment including risks associated with exposure to impacted soil and groundwater through excavation, construction and ongoing maintenance of the roadway where E3 developed strategies to manage these risks through the construction phase. The involvement of E3 staff in this project demonstrates our skills in the following areas:

- Expertise in providing a highly technical report compliant with sensitive client based criteria within a finite timeframe;
- Experience in transport corridor and construction site assessment and management options;
- Expertise in evaluating human health and environmental risks; and
- On-site application of comprehensive technical skills.

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