**Contamination References**

**Here is what you need to know:**

1. **Quick Facts**
* Contamination has been confirmed at Cammeray Golf Course, Flat Rock Gully, Middle Harbour Dredge Site, Spit Reserve Site and Wakehurst parkway.
* In many areas a risk assessment is not yet complete
* Contaminants such as heavy metals and PFAS have been detected in Middle Harbour – these contaminants are dangerous to human health
* Contaminants have been found in groundwater and surface water around the tip site in Flat Rock Gully and there is a risk these may move down the gully as work proceeds
* Large amounts of wastewater will be produced from both construction and operational activities. Wastewater will be treated and flushed down creeks.
* 10,000m3 of contaminated sediment will be barged out of Middle Harbour past Clontarf and Balmoral Beaches to be dried out before being trucked to a licenced facility
* There is no remediation plan or budget for compensating for spills or accidents
* The risk of workers coming into contact with the contamination is rated as moderate to high.
* 500m3 stockpiling of spoil is allowed to be held outside the Flat Rock shed
1. **Conditions to Ask For**
* A full risk assessment prior to approval and sign off
* Testing of the Flat Rock tip prior to approval and funding
* A reconsideration of Immersed Tube at Middle Harbour
* Real time/ Alert Style Air Quality Monitors at Bicentennial Reserve to keep kids safe
* Real time/ Alert Style Monitoring at Northbridge Baths
1. **Want to Know More? Link to Community Fact Sheets (For information only, not professional advice)**
2. **EIS Chapters and Appendices to Check Out**
* [-Chapter 16 Geology, soils and groundwater](https://majorprojects.planningportal.nsw.gov.au:443/prweb/PRRestService/mp/01/getContent?AttachRef=SSI-8862%2120201220T232636.590%20GMT)
* [-Chapter 17 Hydrodynamics and water quality](https://majorprojects.planningportal.nsw.gov.au:443/prweb/PRRestService/mp/01/getContent?AttachRef=SSI-8862%2120201220T232637.085%20GMT)
* [-Chapter 24 Resource use and waste management](https://majorprojects.planningportal.nsw.gov.au:443/prweb/PRRestService/mp/01/getContent?AttachRef=SSI-8862%2120201220T232929.729%20GMT)
* [-Chapter 13 Human health](https://majorprojects.planningportal.nsw.gov.au:443/prweb/PRRestService/mp/01/getContent?AttachRef=SSI-8862%2120201220T232635.441%20GMT)
* [App M Contamination](https://majorprojects.planningportal.nsw.gov.au:443/prweb/PRRestService/mp/01/getContent?AttachRef=SSI-8862%2120201207T050649.624%20GMT)
* [App N Groundwater](https://majorprojects.planningportal.nsw.gov.au:443/prweb/PRRestService/mp/01/getContent?AttachRef=SSI-8862%2120201207T050650.078%20GMT)
* [App O Surface water quality and hydrology](https://majorprojects.planningportal.nsw.gov.au:443/prweb/PRRestService/mp/01/getContent?AttachRef=SSI-8862%2120201204T024114.897%20GMT)
* [App P Hydrodynamic and dredge plume modelling](https://majorprojects.planningportal.nsw.gov.au:443/prweb/PRRestService/mp/01/getContent?AttachRef=SSI-8862%2120201204T024113.587%20GMT)
* [App Q Marine water quality](https://majorprojects.planningportal.nsw.gov.au:443/prweb/PRRestService/mp/01/getContent?AttachRef=SSI-8862%2120201204T024109.520%20GMT)