



Water quality protection note no. 18

January 2016

Information the Department of Water requires to assess a proposed development or activity

Scope

This note outlines the information that the Department of Water may require to assess a proposal for a development or activity that is near a sensitive water resource (see Water quality protection note no. 4: *Sensitive water resources*).

Standard information to be read in conjunction with this note can be found in WQPN no. 3: *Using water quality protection notes*.

Recommendations

Proponents should consider engaging a qualified and experienced consultant to professionally prepare their development proposal.

Information required

- Site owner/operator name and contact details.
- A detailed site plan showing:
 - location of proposed and existing development/activities
 - lot boundaries
 - roads
 - PDWSAs
 - mining tenements
 - water resources i.e. bores, dams, rivers, creeks, wetlands
 - topography
 - native vegetation
 - proposed buffers.
- Current planning scheme zoning.
- Any approvals already received such as planning, environmental or mining approvals.

- Site investigation results such as soil type, contamination and any remediation, phosphorus retention index (PRI), depth to groundwater, movement of groundwater and surface water (i.e. hydrogeology and hydrology), any groundwater-dependent ecosystems, modelled impacts of proposed development.
- Full description of activities planned such as timeframe, capacities, numbers of people, numbers of animals, extent of crops, operating hours, proposed future expansions, proposed decommissioning.
- Details of construction including earthworks, depth of excavations, management of erosion/turbidity, machinery/vehicle maintenance, refuelling and washdown, waste management.
- Proposed water use details, including any existing allocation licence details, water use balance (if applicable), water recycling and reuse, dewatering.
- Details of any fuel and chemical storage, bunding and use, expected solid and liquid waste volumes generated, methods of treating and disposing of wastes, fertilisers and pesticides/herbicides used and their rates of application.
- Details of human wastewater management such as sewerage vs. onsite wastewater treatment, details of systems used, capacities expected.
- Stormwater and drainage management details i.e. how will wastewater and clean stormwater streams be kept separate; wastewater treatment ponds etc.
- Any proposed monitoring to assess water quality contamination.
- Contingency planning, including responding to emergency situations that may impact upon water resources.

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