

Director-General's Requirements

Section 75F of the *Environmental Planning and Assessment Act 1979*

Application number	MP 10_0238
Project	<p>Project Application: the construction, operation and maintenance of wastewater infrastructure in Balmain including:</p> <ul style="list-style-type: none"> • a pumping station to be located off Booth Street, Balmain; • 250m gravity main pipeline from SP008 to SP1146; and • 340m pressure main pipeline along Palmer Street, Balmain.
Location	<p>The pumping station is proposed to be located off Booth Street, Balmain. The gravity main is proposed to be located through Lot 101 DP1006804, Lot CP SP60159, Lot CP SP61963, Lot 5, DP1000712 and Lot 5 D875201. The pressure main is proposed to be located through Lot 660 DP729725 and Palmer Street, Balmain. The proposal is located within the Leichhardt Local Government Area.</p>
Proponent	Sydney Water Corporation
Date issued	April 2011
Expiry date	April 2013
General requirements	<p>The Environmental Assessment (EA) must include:</p> <ul style="list-style-type: none"> ▪ an executive summary; ▪ a detailed description of the project including construction methods, location and alignment of project components, operation details including treatment technology and water quality standards to be applied, means of minimising wet weather infiltration, water demand management measures and interfaces with existing sewage treatment infrastructure, energy requirements and any staging. This shall include a description of the existing water and wastewater treatment systems, including system capacity, expected sewage volumes and ability to continue to operate under existing licence conditions; ▪ consideration of any relevant statutory provisions including the consistency of the project with the objects of the <i>Environmental Planning and Assessment Act 1979</i> and permissibility; ▪ an assessment of the environmental impacts of the project, with particular focus on the key assessment requirements specified below; ▪ a draft Statement of Commitments detailing measures for environmental mitigation, management and monitoring for the project; ▪ justification for undertaking the project with consideration of the environmental, social and economic benefits and impacts of the proposal; and ▪ certification by the author of the Environmental Assessment that the information contained in the Assessment is neither false nor misleading.
Key issues	<p>The EA must include assessment of the following key issues:</p> <ul style="list-style-type: none"> ▪ Strategic Justification – the EA must: <ul style="list-style-type: none"> ➤ clearly outline the strategic context of the project, having regard to existing and future development in the area including the White Bay Cruise Passenger Terminal;

- discuss how the project relates to relevant strategic and statutory planning documents including the Metropolitan Plan for Sydney 2036; and
- describe the need for and objectives of the project, including its relevance to the overall wastewater scheme for the area; alternatives considered, including locations and routes for linear infrastructure (including an assessment of the environmental costs and benefits of the project relative to alternatives) and provide justification for the preferred project.
- **Flora and Fauna** – include an assessment of flora and fauna impacts consistent with the *Draft Guidelines for Threatened Species Assessment* (DEC, 2005) including details of how flora and fauna impacts would be managed during all stages of the project and measures to avoid, mitigate or offset impacts to vegetation, consistent with “improve or maintain” principles. Sufficient details must be provided to demonstrate the availability of viable and achievable options to offset the impacts of the project.
- **Aboriginal Heritage** – include an assessment of the potential impact on Aboriginal heritage values/items and proposed mitigation measures in accordance with the *Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation* (DEC, 2005).
- **Non Indigenous Heritage** – include an assessment of the potential impact on non indigenous heritage values/items and proposed mitigation measures, consistent with updated guidelines in the *NSW Heritage Manual*. Where impacts to State or local non-indigenous heritage items are proposed, a statement of heritage significance must be included and measures identified to mitigate and manage impacts.
- **Water Quality, Hydrology and Soils** – include an assessment of water quality impacts arising from the construction and operation of the project, taking into account applicable NSW Government policies. Construction risks, including potential for acid sulfate soils, salinity, erosion and sedimentation must be addressed. Measures to prevent or minimise sewage discharge or overflows and subsequent impacts to nearby water bodies and groundwater shall be addressed including consideration of alternative power supplies, holding capacity, notification systems, response capability, overflow containment and contingency measures;
- include an assessment of the potential flood risks associated with the project including a risk screening of proposed water infrastructure development areas against the benchmarks identified in the *NSW Coastal Planning Guideline: Adapting to Sea Level Rise* (DOP, 2010). The assessment shall consider the full range of flood events including probable maximum flood and proposed mitigation measures with respect to operation;
- provide details on the impacts and management of wastewater, including frequency, overflow volume and pollutant load for dry and wet weather events, the quality of the treated wastewater in dry and wet weather, and potential effluent generation beyond existing approved levels;
- **Human Health** – the Environmental Assessment must outline risks to human health, including mitigation measures and how the operation of the project would be consistent with current standards.
- **Dust and Odour** – include an assessment of the dust and odour impacts associated with construction and operation respectively. The odour analysis shall be undertaken in accordance with the *Approved Methods for the Modelling and Assessment of Air Pollutants in NSW* (DEC, 2005),

	<p><i>Assessment and Management of Odour from Stationary Sources in NSW</i> (DEC, 2001) and <i>Technical Notes: Draft Policy: Assessment and Management of Odour from Stationary Sources in NSW</i> (DEC, 2001).</p> <ul style="list-style-type: none"> ▪ Noise and Vibration – include an assessment of noise and vibration impacts during construction and operation and in a cumulative context with existing development. The assessment must take into account the following guidelines, as relevant: <i>Interim Construction Noise Guidelines</i> (DECC 2009), <i>Environmental Criteria for Road Traffic Noise</i> (EPA, 1999), <i>Industrial Noise Policy</i> (EPA, 2000) and <i>Assessing Vibration: A Technical Guideline</i> (DECC, 2006). ▪ Traffic and Transport – include an assessment of impacts to the local and regional road network and intersections, including direct impacts from any traffic rerouting, property access restrictions and cumulative impacts from construction traffic associated with other major construction projects. The assessment shall include details of the nature/mode and volumes of traffic generated from the construction and operation of the project and proposed transport routes. ▪ Visual Amenity – include an assessment of impacts on visual amenity, with reference to surface components such as ventilation shafts and the removal of vegetation and include any proposed mitigation measures for visual amenity. ▪ Geotechnical Assessment – include an assessment of potential impacts to sandstone cliffs adjacent to and nearby the site. ▪ Hazards and Risk – include an assessment of the hazards and risk associated with the project including details of the handling and disposal of waste during construction and identification of management measures associated with the operation of the sewage pumping station. ▪ Environmental Risk Analysis– notwithstanding the above key assessment requirements, the Environmental Assessment shall include an environmental risk analysis to identify potential environmental impacts associated with the project (construction and operation), proposed mitigation measures and potentially significant residual environmental impacts after the application of proposed mitigation measures. Where additional key environmental impacts are identified through this environmental risk analysis, an appropriately detailed impact assessment of this additional key environmental impact must be included in the Environmental Assessment.
<p>Consultation</p>	<p>You must undertake an appropriate and justified level of consultation with relevant parties during the preparation of the Environmental Assessment, including:</p> <ul style="list-style-type: none"> ▪ local, State or Commonwealth government authorities and service providers including the Department of Health, the Office of Environment and Heritage, the Department of Primary Industries, the Sydney Ports Authority, the Sydney Metropolitan Catchment Management Authority, Roads and Traffic Authority and Leichhardt City Council; ▪ specialist interest groups, including local Aboriginal land councils; and ▪ the local community, including affected landowners. <p>The Environmental Assessment must describe the consultation process, document all community consultation undertaken to date and identify the issues raised (including where these have been addressed in the Environmental Assessment).</p>