

Director-General's Requirements

Section 75W(3) of the *Environmental Planning and Assessment Act 1979*

Application number	1997-01-15 MOD 4
Project	Project Modification: • Amplification of sewerage treatment plant; • Expansion of farm area; and • Connection of Buxton and Bargo to Picton Sewerage Scheme
Location	The proposed modification is located at: • the Picton Sewerage Scheme near Remembrance Drive Picton with pipes connecting to; Area 1, near Mineral Springs Road north of Stonequarry Creek; and • Area 2, Menagle Road, north of Stonequarry Creek. The proposal is located within the Wollondilly Shire Council area
Proponent	Sydney Water Corporation
Date issued	11 November 2013
Expiry date	11 November 2015
General requirements	The modification Environmental Assessment (EA) must include: ▪ an executive summary; ▪ a detailed description of the proposed modification including construction methods, location and alignment of project components, operation details including any changes to existing operations, including system capacity, treatment technology and water quality standards, wet weather event management and interfaces with existing infrastructure, energy requirements and any staging; ▪ consideration of any relevant statutory provisions including the objects of the <i>Environmental Planning and Assessment Act 1979</i> and permissibility; ▪ an assessment of the environmental impacts of the proposed modification, 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 the proposed modification with consideration of the environmental, social and economic benefits and impacts; and ▪ certification by the author of the Environmental Assessment that the information contained in the Assessment is neither false nor misleading.
Key issues	The EA must include assessment of the following key issues: Strategic Justification – the EA must: ➤ clearly outline the strategic context of the proposed modification, having regard to existing and future development in the area and relevant government policies and strategies; ➤ describe the need for and objectives of the proposed modification, including its relevance to the overall wastewater scheme for the area; alternatives considered (both alignments and technologies), and an

	assessment and justification of the environmental costs and benefits of the proposed modification relative to alternatives. Water Quality, Hydrology and Soils - include an assessment of water quality, hydrology and soil impacts taking into account applicable NSW Government policies including applicable Water Sharing Plans and the NSW Aquifer Inference Policy. The assessment is to consider impacts: • arising from the construction of new sewerage infrastructure and changes to operation of the treatment plant, effluent discharge, effluent irrigation reuse areas and pipe network. • a water balance assessment showing the movement, storage, use and discharge of water to nearby water ways and groundwater during dry, wet and average weather; • an assessment of the potential for soil contamination from the biosolid application to the expanded reuse area; • include an assessment of the potential flood risks associated with changes to the project; • include management measures to prevent, monitor or minimise impacts including effluent application rates, precautionary discharges or overflows and subsequent impacts to nearby riparian corridors, water ways and groundwater taking into account the holding capacity, notification systems, response capability, overflow containment and contingency measures; Ecological Impacts – include a flora and fauna assessment consistent with the <i>Draft Guidelines for Threatened Species Assessment</i> (DEC and DPI, 2005): • taking into consideration impacts on any threatened species, populations, ecological communities, critical habitat, riparian, instream ecology, water and groundwater dependent ecosystems including consideration of the <i>NSW Groundwater Dependent Ecosystems Policy</i> and any impacts to local or regional biodiversity corridors. • include details of how flora and fauna impacts would be managed and include consideration of the <i>NSW Offset Principles for Major Projects</i> (July 2013). Sufficient certainty must be provided to demonstrate that viable and achievable options to offset impacts are available where impacts are unavoidable. Aboriginal Heritage – include an assessment of the potential impact on Aboriginal heritage values/items and proposed mitigation measures in accordance with the <i>Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation</i> (DEC, 2005). Non Indigenous Heritage – include an assessment of the potential impact on non indigenous heritage values/items and proposed mitigation measures, consistent with the <i>NSW Heritage Manual</i>. Where impacts to State or local non-indigenous heritage items are proposed, a statement of heritage significance must be included for these items and measures identified to mitigate and manage impacts. Human Health – the Environmental Assessment must identify any change to risk to human health, including mitigation measures and management to ensure appropriate standards are met. Odour –include an assessment of the odour impacts associated with construction and changes to operation respectively. The odour analysis shall
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	be undertaken in accordance with the <i>Approved Methods for the Modelling and Assessment of Air Pollutants in NSW</i> (DEC, 2005) and draft <i>NSW Best Practice Odour Guideline Sewerage systems including sewage treatment plants, water recycling facilities, sewage reticulation systems and sewer mining</i> (DoP 2010). 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 consider the following guidelines, as relevant: <i>Interim Construction Noise Guidelines</i> (DECC 2009) and <i>Road Noise Policy</i> (DECCW 2011), <i>Industrial Noise Policy</i> (EPA, 2000). Traffic and Transport – include an assessment of impacts to the local and regional road and rail network, including direct impacts from construction or operational traffic. . The assessment shall include details of the nature/mode of traffic generated and estimated traffic volumes and proposed transport routes. Visual Amenity – include an assessment of changes to visual amenity, with reference to surface components and vegetation removal and include proposed mitigation measures. Hazards and Risk – include an assessment of the hazards and risk including details of the waste handling and disposal or chemicals during construction and operation and identification of management measures associated with operation. Environmental Risk Analysis– notwithstanding the above key assessment requirements, the EA 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, an appropriately detailed assessment of those impacts must be included
Consultation	You must undertake an appropriate and justified level of consultation with relevant parties during the preparation of the EA, including: ▪ local, State or Commonwealth government authorities and service providers including the Department of Health, the Environment Protection Authority, the Office of Environment and Heritage, the Department of Primary Industries (including the NSW Office of Water), the Sydney Metropolitan Catchment Management Authority, Roads and Maritime Services and Wollondilly Shire Council; ▪ specialist interest groups, including local Aboriginal land councils; and ▪ the local community, including affected landowners. The EA must describe the consultation process, document consultation undertaken and identify any issues raised (including where these have been addressed in the EA).