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Mr Stephen Richardson
Cowman Stoddart
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Dear Mr Richardson,

South Nowra Resource Recovery Facility (SSD 6483)

Thank you for your letter of 29 April 2016 in which you sought to consult further with the Secretary in relation to the preparation of the Environmental Impact Statement (EIS) for the South Nowra Resource Recovery Facility State significant development application (SSD 6483).

The Department has now amended the Secretary's environmental assessment requirements (SEARs) issued to you on 16 May 2014. The SEARs have been amended to ensure that the development is consistent with the aims, objectives and guidelines in the *NSW Waste Avoidance and Resource Recovery Strategy 2014 – 2121* and that a biodiversity assessment is undertaken under the *Framework For Biodiversity Assessment* (Oct 2014). I have attached a copy of the amended requirements for the development proposal.

Please note that the Department may alter these requirements at any time, and that you must consult further with the Department if you do not lodge a development application and EIS for the proposal within two years of the date of issue of these SEARs. The Department will review the EIS for the proposal carefully before putting it on public exhibition, and will require you to submit an amended EIS if it does not adequately address the SEARs.

I would appreciate it if you would contact the Department at least two weeks before you propose to submit the development application and EIS for your development. This will enable the Department to:

- confirm the applicable fee (see Division 1AA, Part 15 of the *Environmental Planning and Assessment Regulation 2000*); and
- determine the number of copies (hard-copy and CD-ROM) of the EIS required for review.

If you have any enquiries about these requirements, please contact Emma Barnet on the details above.

Yours sincerely

Chris Ritchie

Director

Industry Assessments

As the delegate of the Secretary's

6/7/16

Secretary's Environmental Assessment Requirements

Section 78A(8A) of the *Environmental Planning and Assessment Act*
Schedule 2 of the *Environmental Planning and Assessment Regulation 2000*

Application Number	SSD 6483
Proposal Name	South Nowra Resource Recovery Facility
Location	Lots 28 & 29 DP 19407 – Jellicoe Street, South Nowra, Shoalhaven local government area
Applicant	Normans Plant Hire Pty Ltd
Date of Issue	6 July 2016
General Requirements	The Environmental Impact Statement (EIS) must meet the minimum form and content requirements in clauses 6 and 7 of Schedule 2 of the <i>Environmental Planning and Assessment Regulation 2000</i>. In addition, the EIS must include a: • clear description of the existing operations carried out on the site and how the site operates lawfully under the <i>Environmental Planning and Assessment Act 1979</i> including any reliance on use rights and/or planning approvals; • detailed description of the development, including: – need for the proposed development; – justification for the proposed development; – likely staging of the development; – the nature and destination of materials to be received and distributed; and – plans of all proposed building works. • consideration of all relevant environmental planning instruments, including identification and justification of any inconsistencies with these instruments; ie. the aims, objectives, and guidance in the <i>NSW Waste Avoidance and Resource Recovery Strategy 2014-2012</i>, <i>Shoalhaven Local Environmental Plan 2014</i>, relevant development control plans and section 94 plans; • risk assessment of the potential environmental impacts of the development, identifying the key issues for further assessment; • detailed assessment of the key issues specified below, and any other significant issues identified in this risk assessment, which includes: – a description of the existing environment, <u>using sufficient baseline data</u>; – an assessment of the potential impacts of all stages of the development, including any cumulative impacts, taking into consideration relevant guidelines, policies, plans and statutes; and – a description of the measures that would be implemented to avoid, minimise and if necessary, offset the potential impacts of the development, including proposals for adaptive management and/or contingency plans to manage any significant risks to the environment; • a consolidated summary of all the proposed environmental management and monitoring measures, highlighting commitments included in the EIS. The EIS must also be accompanied by a report from a qualified quantity surveyor providing: • a detailed calculation of the capital investment value (as defined in clause 3 of the <i>Environmental Planning and Assessment Regulation 2000</i>) of the proposed development, including details of all assumptions and components from which the CIV calculation is derived;

	• an estimate of the jobs that will be created during the construction and operational phases of the proposed development; and • certification that the information provided is accurate at the date of preparation.
Key issues	The EIS must address the following specific matters: • Waste Management – including: – The proposed size, location and management of stockpiles of unprocessed and processed waste; – Details of the proposed source of waste; – Details of the proposed classification and quantity of the likely waste streams that would be handled/stored/disposed of at the facility; – Provide a description of how this waste would be stored and handled on site, and transported to and from the site; – Details of the potential impacts associated with treating, storing, using and disposing of this waste and waste products; and – Measures to be implemented to ensure that the development is consistent with the aims, objectives and guidelines in the <i>NSW Waste Avoidance and Resource Recovery Strategy 2014-2021</i>. • Traffic and Transport – including: – Details of all traffic types and an estimate of the total daily vehicle trips; – An assessment of predicted impacts on road safety and the capacity of the existing road network to accommodate the development; – Detailed plans of the proposed layout of the internal road network and parking on site in accordance with the relevant Australian standards; and – Detailed plans of any proposed road network upgrades, infrastructure works or new roads required for the development. • Noise – including: – A quantitative assessment of potential construction, operational and transport noise and vibration impacts, including potential impacts on nearby sensitive receivers; and – Provide detail and justification of the proposed noise management and monitoring measures. • Air Quality – including: – A quantitative assessment of the potential air quality, dust and odour impacts of the project in accordance with relevant EPA guidelines; and – Provide detail and justification of proposed air quality management and monitoring measures. • Greenhouse Gas – including: – A quantitative assessment of the potential scope 1, 2 and 3 greenhouse gas emissions of the project, and a qualitative assessment of the potential impacts of these emissions on the environment; and – A detailed description of the measure that would be implemented on site to ensure that the project is energy efficient. • Soil & Water – including: – Proposed erosion and sediment controls during construction; – Provide a site water balance, including a detailed description of the measures to minimise the water use at the site; – Provide wastewater predictions and the any measures that are proposed to be implemented to treat, reuse and/or dispose of this water; – Ensure compliance with the rules in any relevant Water Sharing Plan (WSP) and legislation; – The proposed stormwater management system, including the capacity of onsite detention systems, and measures to treat, reuse or dispose of water; and

- Consideration of any potential salinity, contamination, and acid sulfate soil impacts of the project.

- **Hazards and Risk** – including:

- A preliminary risk screening shall be undertaken in accordance with *State Environmental Planning Policy No. 33 – Hazardous and Offensive Development* (SEPP 33) and *Applying SEPP 33* (DoP, 2011), and if necessary, a Preliminary Hazard Analysis (PHA).

- **Contamination** – including:

- An assessment of any potential site contamination and details of all potential contamination sources; and
- Proposed measures to be implemented in the event that soil contamination is encountered

- **Flooding** – including:

A detailed hydrological and hydraulic assessment should be undertaken and is required to include the following:

- A comprehensive assessment of the impact of flooding on the proposed development for the full range of flood events up to the probable maximum flood. This assessment should address any relevant provisions of the NSW Floodplain Development Manual (2005) including the potential effects of climate change, sea level rise and an increase in rainfall intensity.
- Assessment of the impact of the proposed development on the flood behaviour (i.e. levels, velocities and duration of flooding) and the impact of the proposed development on adjacent, downstream and upstream areas.

- **Ecological** – including:

- an assessment of the proposal under the *Framework for Biodiversity Assessment* (Oct 2014) including an assessment that identifies:
 - any threatened flora and/or fauna species that are known or likely to occur on the site;
 - any known or potentially occurring Endangered Ecological Communities; and
 - Provides an assessment of any potential direct or indirect impacts on these species and/or habitat.
- Identify any remnant vegetation to be cleared from the site;
- Identify any watercourses on the site; and
- Address any ecological impacts of surface water flows from the site to any nearby waterways.

- **Infrastructure** – including:

- A detailed written and geographical description of the infrastructure required on-site;
- Address existing capacity and requirements of the development for sewerage, water, electricity, waste disposal, telecommunications and gas in consultation with the relevant service providers. Identify and describe staging, if any, of infrastructure works; and
- Identification of any infrastructure upgrades that are required off-site to facilitate the orderly and economic development of the site, and a description of the arrangements that would be put in place to ensure that these upgrades are implemented in a timely manner and maintained.

- **Visual** – including:

- An assessment of the potential visual impacts of the project on the amenity of the surrounding area.

- **Heritage** – including:

	– An Aboriginal cultural heritage assessment (including both cultural and archaeological significance), which must demonstrate effective consultation with relevant Aboriginal community groups; and – A non-Aboriginal cultural heritage assessment (including both cultural and archaeological significance).
Plans and Documents	The EIS must include all relevant plans, architectural drawings, diagrams and relevant documentation required under Schedule 1 of the <i>Environmental Planning and Assessment Regulation 2000</i> . These documents should be included as part of the EIS rather than as separate documents.
Consultation	During the preparation of the EIS, you must consult with the relevant local, State or Commonwealth Government authorities, service providers, community groups and affected landowners. In particular you must consult with the: • Shoalhaven City Council; • Endeavour Energy; • Environmental Protection Authority; • Office of Environment and Heritage (including the Heritage Branch); • NSW Roads and Maritime Service; and • the local community and stakeholders. The EIS must describe the consultation process and the issues raised, and identify where the design of the development has been amended in response to these issues. Where amendments have not been made to address an issue, a short explanation should be provided.
Further consultation after 2 years	If you do not lodge a development application and EIS for the development within 2 years of the issue date of these SEARs, you must consult further with the Secretary in relation to the preparation of the EIS.
References	The assessment of the key issues listed above must take into account relevant guidelines, policies, and plans as identified. While not exhaustive, the following attachment contains a list of some of the guidelines, policies, and plans that may be relevant to the environmental assessment of this proposal.

ATTACHMENT 1

Technical and Policy Guidelines

The following guidelines may assist in the preparation of the Environmental Impact Statement. This list is not exhaustive and not all of these guidelines may be relevant to your proposal.

Many of these documents can be found on the following websites:

<http://www.planning.nsw.gov.au>

<http://www.bookshop.nsw.gov.au>

<http://www.publications.gov.au>

Policies, Guidelines & Plans

Aspect	Policy /Methodology
Waste	Waste Avoidance and Resource Recovery Strategy 2007 (DECC) Waste Classification Guidelines (DECC) Environmental Guidelines: Assessment Classification and Management of Non-Liquid and Liquid Waste (NSW EPA) Environmental guidelines: Composting and Related Organics Processing Facilities (DEC) Environmental guidelines: Use and Disposal of Biosolid Products (NSW EPA) Composts, soil conditioners and mulches (Standards Australia, AS 4454)
Transport	Guide to Traffic Generating Development (RTA) Road Design Guide (RTA)
Noise	NSW Industrial Noise Policy (DECC) Environmental Criteria for Road Traffic Noise (NSW EPA) Environmental Noise Control Manual (DECC)
Air Quality	Protection of the Environment Operations (Clean Air) Regulation 2002 Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (DEC) Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (DEC)
Odour	Technical Framework: Assessment and Management of Odour from Stationary Sources in NSW (DEC) Technical Notes: Assessment and Management of Odour from Stationary Sources in NSW (DEC)
Greenhouse Gas	AGO Factors and Methods Workbook (AGO) Guidelines for Energy Savings Action Plans (DEUS, 2005)
Soil and Water	Australian and New Zealand Guidelines for the Assessment and Management of Contaminated Sites (ANZECC & NHMRC) National Environment Protection (Assessment of Site Contamination) Measure 1999 (NEPC)
<i>Soil</i>	Draft Guidelines for the Assessment & Management of Groundwater Contamination (DECC) State Environmental Planning Policy No. 55 – Remediation of Land Managing Land Contamination – Planning Guidelines SEPP 55 – Remediation of Land (DOP)
<i>Surface Water</i>	National Water Quality Management Strategy: Water quality management - an outline of the policies (ANZECC/ARMCANZ) National Water Quality Management Strategy: Policies and principles - a reference document (ANZECC/ARMCANZ)

	National Water Quality Management Strategy: Implementation guidelines (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Australian Guidelines for Fresh and Marine Water Quality (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Australian Guidelines for Water Quality Monitoring and Reporting (ANZECC/ARMCANZ)
	Using the ANZECC Guideline and Water Quality Objectives in NSW (DEC)
	State Water Management Outcomes Plan
	NSW Government Water Quality and River Flow Environmental Objectives (DECC)
	Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC)
	Greater Metropolitan Regional Environmental Plan No. 2 – Georges River Catchment
	Managing Urban Stormwater: Soils & Construction (Landcom)
	Managing Urban Stormwater: Treatment Techniques (DECC)
	Managing Urban Stormwater: Source Control (DECC)
	Technical Guidelines: Bunding & Spill Management (DECC)
Groundwater	National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC)
	NSW State Groundwater Policy Framework Document (DLWC)
	NSW State Groundwater Quality Protection Policy (DLWC)
	NSW State Groundwater Quantity Management Policy (DLWC) Draft
	Guidelines for the Assessment and Management of Groundwater Contamination (DECC)
Hazards	
	State Environmental Planning Policy No. 33 – Hazardous and Offensive Development
	Applying SEPP 33 – Hazardous and Offensive Development Application Guidelines (DUAP)
	Hazardous Industry Planning Advisory Paper No. 6 – Guidelines for Hazard Analysis
Visual	
	Control of Obtrusive Effects of Outdoor Lighting (Standards Australia, AS 4282)
	State Environmental Planning Policy No 64 - Advertising and Signage
Aboriginal Heritage	
	Part 3A EP&A Act Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation 2007 (DEC & DoP)
	Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (DEC)
	Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW (OEH)
	Code of Practice for the Archaeological Investigation of Aboriginal Objects in New South Wales (DECCW)
	Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 (DECCW)
Biodiversity	
	Principles for the use of Biodiversity Offsets in NSW (DECC 2008);
	OEH interim policy on assessing and offsetting biodiversity impacts of Part 3A, State Significant Development (SSD) and State Significant Infrastructure (SSI) projects
	State Environmental Planning Policy No 44 – Koala Habitat Protection (SEPP 44)
	Draft Guidelines for Threatened Species Assessment under Part 3A of the <i>Environmental Planning and Assessment Act 1979</i> (DEC)
	Policy & Guidelines - Aquatic Habitat Management and Fish Conservation (NSW Fisheries)
	The NSW State Groundwater Dependent Ecosystem Policy (DLWC)