



Mr Russ Pigg
The General Manager
Shoalhaven City Council
PO Box 42
Nowra NSW 2541

Our ref: SSD 15_7015

Attention: Mr David Hojem (Manager Waste Services)

Dear Mr Pigg,

SEARs for the West Nowra Resource Recovery Facility (SSD 15_7015)

Thank you for your request for the Secretary's Environmental Assessment Requirements (SEARs) for the preparation of an Environmental Impact Statement (EIS) for the proposed West Nowra Resource Recovery Facility. I have attached a copy of these requirements.

These requirements are based on the information you have provided to date and have been prepared in consultation with the relevant government agencies. Their comments which you should address appropriately in preparing the EIS are attached (see **Attachment 2**).

Please note that the Department may alter the SEARs at any time, and that you must consult further with the Department if you do not lodge a development application and EIS for the development within two years of the date of issue of these SEARs. The Department will review the EIS for the development 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 wish to emphasise the importance of effective and genuine community consultation and the need for proposals to proactively respond to the community's concerns. Accordingly a comprehensive, detailed and genuine community consultation and engagement process must be undertaken during preparation of the EIS. This process must ensure that the community is both informed of the proposal and is actively engaged in issues of concern to them. Sufficient information must be provided to the community so that it has a good understanding of what is being proposed and of the potential impacts.

If your development is likely to have a significant impact on matters of National Environmental Significance, it will require an approval under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). This approval would be in addition to any approvals required under NSW legislation and it is your responsibility to contact the Department of Environment to determine if an approval under the EPBC Act is required (<http://www.environment.gov.au> or 6274 1111).

I would appreciate it if you would contact the Department at least two weeks before you propose to submit your EIS. 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 that will be required for reviewing purposes.

If you have any enquiries about these requirements, please contact Kerry Hamann on (02) 9228 6516 or via email at kerry.hamann@planning.nsw.gov.au

Yours sincerely

Chris Ritchie
Manager
Industry Assessments
as delegate of the Secretary

13/5/15

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 15_7015
Development	Construction and operation of a resource recovery facility (RRF) to process up to 130,000 tonnes per annum (tpa) of putrescible, non-putrescible and other recyclable waste.
Location	114 Flatrock Road Mundamia (Lot 342 DP 257515)
Applicant	Shoalhaven City Council
Date of Issue	May 2015
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>. The EIS must include: • a detailed description of the development including: – need for the proposed development; – justification for the proposed development; – the proposed staging of the development including an appropriate amount of Concept and Stage 1 detail; – likely interactions between the development and existing, approved and proposed developments within the site and in the vicinity; and – plans of any proposed works. • consideration of all relevant environmental planning instruments, including identification and justification of any inconsistencies with these instruments; • risk assessment of the potential environmental impacts of the development; identifying key issues for further assessment; • detailed assessment, where relevant, of the key issues below, and any other potential significant issues identified in the risk assessment, must include: – a description of the existing environment, using adequate baseline data; – consideration of potential cumulative impacts due to other development in the vicinity; and – measures to avoid, minimise and if necessary, offset the predicted impacts, including detailed contingency plans for managing any significant risks to the environment; • 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 proposal, 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: • Strategic Landuse Planning – including: – demonstration that the proposal is generally consistent with the aims and objectives of all relevant environmental planning instruments, policies and strategies including, but not limited to <i>Southern Council's Group Regional Waste Avoidance and Resource Recovery Strategy</i>

2014; *State Environmental Planning Policy (Infrastructure) 2007*, the *NSW Waste Avoidance and Resource Recovery Strategy 2014-2021*, *NSW State Plan 2021 – Goal 23*, the *Waste Avoidance and Recovery Act 2001*, the *National Waste Policy* and relevant Development Control Plans;

- justification for any inconsistency between the proposed development and these plans;
- consideration of opportunities under the NSW government's *Waste Less, Recycle More* initiative; and
- details on the suitability of the site for the proposed development.

- **Waste Management** – including:

- the proposed classifications and sources of waste;
- estimates of the quantity of the likely waste streams that would be processed at the facility;
- the proposed size, location and management of stockpiles of unprocessed and processed waste;
- a description of how this waste would be transported to and from the site;
- the likely waste processing operations, including likely composting technology and outputs, and the quality control measures that would be implemented;
- measures that would be employed to ensure that the project's outputs would comply with the EPA's relevant resource recovery orders; and
- litter, leachate, weed and feral animal control, including an assessment of biosecurity risks.

- **Air Quality** – including:

- a quantitative assessment of the potential air quality, dust and odour impacts of the project on surrounding landowners in accordance with relevant EPA guidelines; and
- details of proposed mitigation, management and monitoring measures.

- **Traffic and Transport** – including:

- details of all traffic types and volumes likely to be generated during construction and operation, including a description of haul routes;
- an assessment of the predicted impacts of this traffic on road safety and the capacity of the road network, including consideration of cumulative traffic impacts at key intersections using SIDRA or similar traffic model;
- 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 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 noise sensitive receivers; and
- details and justification of the proposed noise mitigation and monitoring measures.

- **Soil & Water** – including:

- identification of drainage lines, watercourses, riparian lands and groundwater dependent ecosystems;
- the proposed erosion and sediment controls during construction;
- a site water balance, including details on water supply and a description of the measures to minimise the water use at the site;
- compliance with the rules in any relevant Water Sharing Plan (WSP) and legislation;
- the proposed stormwater/wastewater management systems including the capacity of onsite detention systems, and measures to treat, reuse or dispose of water; and
- consideration of any potential salinity, soil contamination, flooding

	and acid sulfate soil impacts of the project. • Hazards and bushfire risk – including: - bushfire protection measures that comply with RFS guidelines; - a preliminary risk screening 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). • Flora and fauna – including: - a biodiversity assessment in accordance with the Framework for Biodiversity Assessment, unless otherwise agreed by OEH; by a person accredited in accordance with s142B(1)(c) of the <i>Threatened Species Conservation Act 1995</i>; and - targeted species surveys as specified by OEH. • Greenhouse Gas – including: - a quantitative assessment of the potential scope 1 and 2 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 measures that would be implemented on site to ensure that the development is energy efficient. • Visual – including an assessment of the potential visual impacts of the project on the amenity of the surrounding area. • Heritage – including potential Aboriginal and non-Aboriginal heritage impacts of the project. • Socio-economic – including and assessment of the economic and social impacts of the development, particularly of any benefits to the community.
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: • Environmental Protection Authority; • Department of Primary Industries; • Office of Environment and Heritage; • NSW Department of Trade & Investment – Mineral Resources Branch; • NSW Roads and Maritime Service • Endeavour Energy; and • the surrounding land owners and occupiers that may be affected by the proposal. 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 an EIS for the development within 2 years of the issue date of these SEAR's, you must consult with the Secretary in relation to the requirements for lodgement.
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 development.

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

Plans and Documents

The EIS must include all relevant plans, architectural drawings, diagrams and relevant documentation required under Schedule 1 of the Environmental Planning and Assessment Regulation 2000. Provide these as part of the EIS rather than as separate documents.

In addition, the EIS must include the following:

1. An existing site survey plan drawn at an appropriate scale illustrating:
 - the location of the land, boundary measurements, area (sq. m) and north point;
 - the existing levels of the land in relation to buildings and roads;
 - location and height of existing structures on the site;
 - location and height of adjacent buildings and private open space; and
 - all levels to be to Australian Height Datum (AHD).
2. A locality/context plan drawn at an appropriate scale should be submitted indicating:
 - watercourses including nearby rivers and creeks, and dams;
 - significant local features such as heritage items;
 - the location and uses of nearby buildings, shopping and employment areas, hospitals and schools; and
 - traffic and road patterns, pedestrian routes and public transport nodes.
3. An indication of the location of the site with respect to the relevant Land Zoning Map within the *Shoalhaven Local Environment Plan 2014*.
4. Drawings at an appropriate scale illustrating:
 - detailed plans, sections and elevations of the existing building, which clearly show all proposed internal and external alterations and additions.

Documents to be submitted

Documents to submit include:

- 1 hard copy and 1 electronic copy of all the documents and plans for review prior to exhibition; and
- other copies as determined by the Department once the development application is lodged.

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Policies, Guidelines & Plans

Aspect	Policy /Methodology
Waste	Waste Avoidance and Resource Recovery Strategy 2010-2021 (EPA) The National Waste Policy: Less Waste More Resources 2009 Waste Classification Guidelines (DECC) 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) NSW Road Noise Policy (EPA, 2011) Environmental Criteria for Road Traffic Noise (NSW EPA) Interim Construction Noise Guideline (2009)
Air Quality	Protection of the Environment Operations (Clean Air) Regulation 2010 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	The National Greenhouse and Energy Reporting (Measurement) Technical Guidelines (NGER Technical Guidelines) 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) Draft Guidelines for the Assessment & Management of Groundwater Contamination (DECC)
<i>Soil</i>	

<i>Surface Water</i>	State Environmental Planning Policy No. 55 – Remediation of Land
	Managing Land Contamination – Planning Guidelines SEPP 55 – Remediation of Land (DOP)
	Acid Sulfate Soils Manual (Stone et al. 1998)
	National Water Quality Management Strategy: Water quality management - an outline of the policies (ANZECC/ARMCANZ)
	NSW Guidelines for Controlled Activities on Waterfront Land (NOW, 2012)
	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)
	NSW State Rivers and Estuaries Policy(1993)
	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)
	Managing Urban Stormwater: Soils & Construction (Landcom)
	Managing Urban Stormwater: Treatment Techniques (DECC)
	Managing Urban Stormwater: Source Control (DECC)
	Technical Guidelines: Bunding & Spill Management (DECC)
	NSW Floodplain Development Manual 2005
<i>Groundwater</i>	National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC)
	Australian Groundwater Modelling Guidelines (NWC, 2012)
	NSW State Groundwater Policy Framework Document (DLWC)
	NSW State Groundwater Quality Protection Policy (DLWC)
	NSW State Groundwater Dependent Ecosystems Policy (2002)
	NSW State Groundwater Quantity Management Policy (DLWC) Draft
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
Bushfire	
	Planning for Bushfire Protection (NSW RFS 2010)
Visual	
	Control of Obtrusive Effects of Outdoor Lighting (Standards Australia, AS 4282)
	State Environmental Planning Policy No 64 - Advertising and Signage
Aboriginal Heritage	
	Guide to investigating, assessing and reporting on Aboriginal Cultural Heritage in NSW (DECCW, 2011)
	Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 (DECCW)

Cultural Heritage
NSW Heritage Manual (1996)
The Burra Charter 2013
Statements of Heritage Impact 2002
Biodiversity
NSW Framework for Biodiversity Assessment
Policy & Guidelines - Aquatic Habitat Management and Fish Conservation (NSW Fisheries)
The NSW State Groundwater Dependent Ecosystem Policy (DLWC)

ATTACHMENT 2

Public Authority Responses to Request for Key Issues