Planning Secretary's Environmental Assessment Requirements

Section 4.12(8) of the *Environmental Planning and Assessment Act 1979* Schedule 2 of the Environmental Planning and Assessment Regulation 2000

Application Number	SSD-8530563
Project Name	Gunnedah Waste Facility
Development	Establish and operate a resource recovery facility and waste transfer station with capacity to receive up to 250,000 tonnes per annum (tpa) of waste, including excavated natural materials' contaminated soils, construction and demolition waste, commercial and industrial waste, asbestos and lithium batteries. Additionally, ancillary works include construction of internal roads, a weighbridge, storage bays and associated infrastructure.
Location	16 Torrens Road, Gunnedah (Lots 1 & 2 DP 1226992) within the Gunnedah Shire local government area.
Applicant	Mackellar Equipment Hire Pty Ltd
Date of Issue	07/08/2020
General Requirements	The Environmental Impact Statement (EIS) for the development must meet the form and content requirements in clauses 6 and 7 of Schedule 2 of the Environmental Planning and Assessment Regulation 2000 (the Regulation). In addition, the EIS must include: · a detailed description of the development including: - existing operations carried out on the site and how the site operates lawfully under the Environmental Planning and Assessment Act 1979 (EP&A Act) including any reliance on existing use rights and/or planning approvals and how these will be consolidated - accurate history of the site, including development consents - need for the proposed development - justification for the proposed development - likely interactions between the development and existing, approved and proposed operations in the vicinity of the site - plans of proposed building works · demonstration that the site is suitable for the proposed use in accordance with State Environmental Planning Policy No 55 - Remediation of Land · consideration of all relevant environmental planning instruments, including identification and justification of any inconsistencies with these instruments · consideration of issues discussed in Attachment 2 (public authority responses to key issues) · 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, using sufficient baseline data - 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 - 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 (CIV) (as defined in clause 3 of the Regulation) of the proposal, including details of all assumptions and components from which the CIV calculation is derived. The report shall be prepared on company letterhead and indicate applicable GST component of the CIV; · an estimate of 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	· **Statutory and strategic context** - detailed justification for the proposal and the suitability of the site - detailed justification that the proposed land use (including the associated office space and residence) is permissible with consent - details of any proposed consolidation or subdivision of land - a detailed description of the history of the site - demonstration the proposal is consistent with the development standards applicable to the site, and justification for any contravention of these standards in accordance with clause 4.6 of the relevant local environment plan - demonstration that the proposal is consistent with all relevant planning strategies, environmental planning instruments, adopted precinct plans, draft district plan(s) and adopted management plans and justification for any

inconsistencies. This includes, but is not limited to:

- State Environmental Planning Policy No. 33 – Hazardous and Offensive
- Development
- State Environmental Planning Policy No. 55 – Remediation of Land
- State Environmental Planning Policy (Infrastructure) 2007
- State Environmental Planning Policy (State and Regional Development) 2011
- Gunnedah Shire Commercial and Industrial Land Use Strategy August 2008

· **Suitability of the site**

- details of all development consents and approved plans for the existing facility, including for all structures, plant and equipment
- a detailed justification that the site can accommodate the proposed resource recovery facility, having regard to the scope of the operations of the existing facility and its environmental impacts and relevant mitigation measures.

· **Community and Stakeholder Engagement**

- a detailed community and stakeholder participation strategy which identifies who in the community has been consulted and a justification for their selection, other stakeholders consulted and the form(s) of the consultation, including a justification for this approach
- a report on the results of the implementation of the strategy including issues raised by the community and surrounding occupiers and landowners that may be impacted by the proposal
- details of how issues raised during community and stakeholder consultation have been addressed and whether they have resulted in changes to the proposal
- details of the proposed approach to future community and stakeholder engagement based on the results of the consultation.

· **Waste Management**

- a description of the waste streams that would be accepted at the site including the maximum daily, weekly and annual throughputs and the maximum size and heights of individual stockpiles
- details of the source of the waste streams to justify the need for the proposed processing capacity
- a description of waste processing operations (including flow diagrams for each waste stream), including a description of the technology to be installed,

resource outputs, and the quality control measures that would be implemented
- details of how waste, including hazardous waste, would be stored (including the maximum storage capacity of each type of waste) and handled on site, and transported to and from the site, including details of how the receipt of non-conforming waste would be dealt with
- details of consistency with the Standards for Managing Construction Waste NSW (2019)
- details of the development's waste tracking system for incoming and outgoing waste
- details of the quality of waste produced and final dispatch locations
- details of the waste management strategy for development construction and ongoing operational waste generated
- the measures that would be implemented to ensure that the development is consistent with the aims, objectives and guidance in the NSW Waste Avoidance and Resource Recovery Strategy 2014-2021.

· **Air Quality and Odour**
- a quantitative assessment of the potential air quality, dust and odour impacts of the development in accordance with relevant Environment Protection Authority guidelines. This is to include the identification of existing and potential future sensitive receivers and consideration of approved and/or proposed developments in the vicinity
- the details of buildings and air handling systems and strong justification for any material handling, processing or stockpiling external to a building
- details of proposed mitigation, management and monitoring measures.

· **Noise and Vibration**
- a quantitative assessment of potential construction, operational and transport noise and vibration impacts in accordance with relevant Environment Protection Authority guidelines
- details of the specific times of operation for all phases of the development and for all noise producing activities
- cumulative impacts of other developments
- details and justification of the proposed noise mitigation and monitoring measures.

· **Traffic and Transport:**
- 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, pedestrian

network and parking on site in accordance with the relevant Australian Standards

- plans of any proposed road upgrades, infrastructure works or new roads required for the development
- plans demonstrating how all vehicles associated with construction and operation awaiting loading, unloading or servicing can be accommodated on the site to avoid queuing in the street network
- details of the largest vehicle anticipated to access and move within the site, including swept path analysis
- swept path diagrams depicting vehicles entering, exiting and manoeuvring throughout the site.

· **Hazards**
- a preliminary risk screening completed in accordance with State Environmental Planning Policy No. 33 - Hazardous and Offensive Development and Applying SEPP 33 (DoP, 2011), with a clear indication of class, quantity and location of all dangerous goods and hazardous materials associated with the development, hazard identification covering all plant and processes including dust explosion hazards and a description of the proposed safeguards to be implemented.
- should preliminary screening indicate that the project is "potentially hazardous" a Preliminary Hazard Analysis (PHA) must be prepared in accordance with Hazardous Industry Planning Advisory Paper No. 6 - Guidelines for Hazard Analysis (DoP, 2011) and Multi-Level Risk Assessment (DoP, 2011).

· **Fire and Incident Management:**
- identification of the aggregate quantities of combustible waste products to be stockpiled at any one time
- technical information on the environmental protection equipment to be installed on the premises such as air, water and noise controls, spill clean-up equipment and fire (including location of fire hydrants and water flow rates at the hydrant) management and containment measures
- details regarding the fire hydrant system and its minimum water supply capabilities appropriate to the site's largest stockpile fire load
- details of size and volume of stockpiles and their management and separation to minimise fire spread and facilitate emergency vehicle access
- consideration of consistency with NSW Fire & Rescue draft Fire Safety Guideline – Fire Safety in Waste Facilities (February 2020)
- detailed information relating to the proposed structures addressing relevant levels of compliance with Volume One of the National Construction Code (NCC).

· **Soil and Water**
- an assessment of potential impacts to soil and water resources, topography,

	hydrology, drainage lines, watercourses and riparian lands on or nearby to the site - a detailed site water balance, including identification of water requirements for the life of the project, measures that would be implemented to ensure an adequate and secure water supply is available for the proposal and a detailed description of the measures to minimise the water use at the site - characterisation of water quality at the point of discharge to surface and/or groundwater against the relevant water quality criteria (including details of the contaminants of concern that may leach from the waste into the wastewater and proposed mitigation measures to manage any impacts to receiving waters) - details of stormwater/wastewater/leachate management systems including the capacity of onsite detention systems, and measures to treat, reuse or dispose of water - a description of erosion and sediment controls - characterisation of the nature and extent of any contamination on the site and a description of proposed management measures. · **Biodiversity** - including an assessment of the proposal's biodiversity impacts in accordance with the Biodiversity Conservation Act 2016, including the preparation of a Biodiversity Development Assessment Report (BDAR) where required under the Act, except where a waiver for preparation of a BDAR has been granted. · **Cultural Heritage and Aboriginal Cultural Heritage** - identification and description of the Aboriginal cultural heritage values that exist across the development and document in an Aboriginal Cultural Heritage Assessment Report (ACHAR). Consultation with Aboriginal people must be undertaken and documented in the ACHAR - a description of the impacts on Aboriginal cultural heritage values. · **Visual** - an assessment of the potential visual impacts of the project on the amenity of the surrounding area.
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: · Gunnedah Shire Council · Environment Protection Authority · Transport for NSW

	· Fire + Rescue NSW · Department of Planning, Industry and Environment, including: o Environment, Energy and Science Group o Crown Lands Division 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 Planning 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.australia.gov.au/publications
http://www.epa.nsw.gov.au/
http://www.environment.nsw.gov.au/
http://www.dpi.nsw.gov.au/

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 (sqm) 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
   - × all levels to be to Australian Height Datum (AHD).

2. Locality/context plan drawn at an appropriate scale should be submitted indicating:
   - × significant local features such as heritage items
   - × the location and uses of existing buildings, shopping and employment areas
   - × traffic and road patterns, pedestrian routes and public transport nodes.

3. Drawings at an appropriate scale illustrating:
   - × detailed plans, section and elevations of all proposed buildings
   - × detailed plans of proposed access driveways, internal roadways,

carparking and services infrastructure.

	Documents to submit include: × one (1) electronic copy of all the documents and plans for review prior to exhibition × other copies as determined by the Department once the development application is lodged.

Policies, Guidelines & Plans

Aspect	Policy/Methodology
Waste	
	Waste Avoidance and Resource Recovery Strategy 2014-2021 (EPA)
	The National Waste Policy: Less Waste More Resources 2009
	Waste Classification Guidelines (EPA 2014)
	Environmental guidelines: Composting and Related Organics Processing Facilities (DEC 2004)
	Environmental guidelines: Use and Disposal of Biosolid Products (EPA 1997)
	Composts, soil conditioners and mulches (Standards Australia, AS 4454)
	NSW Energy from Waste Policy Statement (EPA 2015)
Air Quality and Odour	
Air Quality	Protection of the Environment Operations (Clean Air) Regulation 2010
	Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (EPA 2016)
	Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (DEC)
Odour	Assessment and Management of Odour from Stationary Sources in NSW (DEC 2006)
Greenhouse Gas	The National Greenhouse and Energy Reporting (Measurement) Technical Guidelines (NGER Technical Guidelines)
	Guidelines for Energy Savings Action Plans (DEUS 2005)
Traffic and Transport	
	Guide to Traffic Generating Development (RTA)

	Guide to Traffic Management Part 12: Traffic Impacts of Developments (Austroads 2016)
	NSW Long Term Transport Master Plan (TfNSW 2012)
	Road Design Guide (RTA)
Soil and Water	
Soil	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)
	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)
Surface Water	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)
	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 2004)
	Managing Urban Stormwater: Treatment Techniques (DECC 1997)
	Managing Urban Stormwater: Source Control (DECC)
	Technical Guidelines: Bunding & Spill Management (DECC)

	NSW Floodplain Development Manual 2005
	NSW Guidelines for Controlled Activities on Waterfront Land (NOW 2012)
Groundwater	National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC 1995)
	NSW State Groundwater Policy Framework Document (DLWC 1997)
	NSW State Groundwater Quality Protection Policy (DLWC 1998)
	NSW State Groundwater Dependent Ecosystems Policy (DLWC 2002)
	NSW State Groundwater Quantity Management Policy (DLWC 2002)
	Guidelines for the Assessment and Management of Groundwater Contamination (DEC 2007)
	NSW Aquifer Interference Policy (NOW 2012)
	MDBC Guidelines on Groundwater Flow Modelling 2000
	Australian Groundwater Modelling Guidelines (NWC 2012)
Wastewater	Environmental Guidelines: Use of Effluent by Irrigation (DECC 2004)
	Environmental Guidelines: Storage and Handling of Liquids (DECC 2007)
	National Water Quality Management Strategy - Guidelines For Water Recycling: Managing Health And Environmental Risks (Phase 1) 2006 (EPHC, NRMMC & AHMC)
	National Water Quality Management Strategy – Australian Guidelines for Water Recycling: Managing Health and Environmental Risks (Phase 2): Augmentation of Drinking Water Supplies 2008 (EPHC, NRMMC & AHMC)
	National Water Quality Management Strategy: Guidelines for Sewerage Systems - Effluent Management (ARMCANZ/ANZECC)
	National Water Quality Management Strategy: Guidelines for Sewerage Systems - Use of Reclaimed Water (ARMCANZ/ANZECC)
	Recycled Water Guidance Document: Recycled Water Management Systems (DPI 2015)
Noise and Vibration	
Noise	Noise Policy for Industry (EPA 2017)
	NSW Road Noise Policy (EPA 2011)
	Environmental Criteria for Road Traffic Noise (EPA 1999)
	Interim Construction Noise Guideline (DECC 2009)
Vibration	Assessing Vibration: A Technical Guideline (DEC 2006)
	Technical Basis for Guidelines to Minimise Annoyance Due to Blasting Overpressure and Ground Vibration (ANZECC 1990)
Fire and Incident Management	

	Fire Safety Guideline: Fire Safety in Waste Facilities (FRNSW 2019)
	Fire Safety Guideline: Access for fire brigade vehicles and firefighters (FRNSW 2019)
Hazards and Risk	
	State Environmental Planning Policy No. 33 – Hazardous and Offensive Development
	Applying SEPP 33 – Hazardous and Offensive Development Application Guidelines (DUAP)
	AS/NZS 4360:2004 Risk Management
	HB 203:2006 Environmental Risk Management – Principles and Process
	Hazardous Industry Planning Advisory Paper No. 6 – Guidelines for Hazard Analysis
	Planning Advisory Paper No. 4 – Risk Criteria for Land Use Safety Planning (DUAP)
	Contaminated Sites – Guidelines on Significant Risk of Harm from Contaminated Land and the Duty to Report (EPA 2003)
Heritage	
	Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW (OEH 2011)
	Code of Practice for the Archaeological Investigation of Aboriginal Objects in New South Wales (DECCW 2010)
	Draft Guidelines for Aboriginal Cultural Impact Assessment and Community Consultation (Department of Planning 2005)
	Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 (DECCW 2010)
Biodiversity	
	Biodiversity Assessment Method (2017)
Visual	
	Control of Obtrusive Effects of Outdoor Lighting (Standards Australia, AS 4282)
	State Environmental Planning Policy No 64 - Advertising and Signage

ATTACHMENT 2
Government Authority Responses to Request for Key Issues

Our reference: : EF13/5576 DOC20/589217
Contact: : Rebecca Scrivener – 02 6773 7000 – armidale@epa.nsw.gov.au
Date : 23 July 2020

Department of Planning
Industry Assessments
Level 29, 320 Pitt Street
SYDNEY NSW 2000

Email: maryellen.trimble@planning.nsw.gov.au **BY PLANNING PORTAL**

Attention: Ms Mary Ellen Trimble

Dear Ms Trimble

RE: Request for EARs (SSD-8530563) - Proposed Resource Recovery and Waste Transfer Facility – 16 Torrens Road, Gunnedah

I refer to your email dated 17 July 2020 seeking Environmental Assessment Requirements (EARs) for the proposed Resource Recovery and Waste Transfer Facility at 16 Torrens Road, Gunnedah, NSW.

Based on the information provided, the Environment Protection Authority (EPA) expects the proposed activity to be a Scheduled Activity and will require an Environment Protection Licence (EPL) under the *Protection of the Environment Operations Act 1997*, should consent be granted. Please find attached EARs as requested for your consideration

If you wish to discuss this matter further, please contact me on (02) 6773 7000 or by email to armidale@epa.nsw.gov.au to discuss this matter further.

Yours sincerely,

REBECCA SCRIVENER
Head Regional Operations Unit – Regulatory Operations
Environment Protection Authority

Encl: Attachment A – Environmental Assessment Requirements for Proposed Resource Recovery and Waste Transfer Facility – 16 Torrens Road, Gunnedah (SSD-8530563)

Email: armidale@epa.nsw.gov.au
PO Box 494 Armidale NSW 2350
85 Faulkner Street, Armidale NSW 2350
Tel: (02) 6773 7000 Fax: (02) 6772 2336
ABN 43 692 285 758
www.epa.nsw.gov.au

ATTACHMENT A: Environmental Assessment Requirements for Proposed Resource Recovery and Waste Transfer Facility – 16 Torrens Road, Gunnedah (SSD-8530563)

1 Environmental impacts of the project

1.1. The Environmental Assessment (EA) must address the requirements of Section 45 of the *Protection of the Environment Operations Act 1997* (POEO Act) by determining the extent of each impact and providing sufficient information to enable the EPA to determine appropriate conditions, limits and monitoring requirements for an Environment Protection Licence (EPL).

1.2. Impacts related to the following environmental issues need to be assessed, quantified and reported on:

- **Air Issues**: air quality including dust generation from the operation on the surrounding landscape and/or community;
- **Noise and vibration impacts** associated with crushing and screening, as well as operational noise particularly machinery and plant movements;
- **Waste** including hazardous materials, special wastes and liquid wastes. Consideration needs to be given to disposal options for waste materials unable to be accepted at the premises.
- **Water and Soils** including leachate and surface water management as well as sediment and erosion controls during construction and operation phases.

The EA should address the specific requirements outlined under each heading below and assess impacts in accordance with the relevant guidelines mentioned. A full list of guidelines is at **Attachment B**.

2 Licensing requirements

2.1. The development is a scheduled activity under the *Protection of the Environment Operations Act 1997* (POEO Act) and will therefore require an Environment Protection Licence (EPL) if approval is granted.

2.2. Should project approval be granted, the proponent will need to make an application to the EPA for its EPL for the proposed facility prior to undertaking any on site works. Additional information is available through the *EPA Guide to Licensing* document (www.epa.nsw.gov.au/licensing/licenceguide.htm).

SPECIFIC ISSUES

3 Air issues

3.1. The EA must demonstrate the proposal's ability to comply with the relevant regulatory framework, specifically the *Protection of the Environment Operations (POEO) Act (1997)* and the *POEO (Clean Air) Regulation (2002)*. Particular consideration should be given to section 129 of the POEO Act concerning control of "offensive odour".

3.2. The EA must include an air quality impact assessment (AQIA).

3.3. The AQIA must be carried out in accordance with the document, *Approved Methods for the Modelling and Assessment of Air Pollutants in NSW* (2005), which is available on our website at: https://www.epa.nsw.gov.au/your-environment/air/industrial-emissions/modelling-assessing-air-emissions

3.4. The EA must detail emission control techniques/practices that will be employed at the site and identify how the proposed control techniques/practices will meet the requirements of the POEO Act, POEO (Clean Air) Regulation and associated air quality limits or guideline criteria.

4. Noise and Vibration

The EA must assess the following noise and vibration aspects of the proposed development

4.1. Construction noise associated with the proposed development should be assessed using the *Interim Construction Noise Guideline (*DECC, 2009). These are available at:https://www.epa.nsw.gov.au/your-environment/noise/industrial-noise/interim-construction-noise-guideline

4.2. Vibration from all activities (including construction and operation) to be undertaken on the premises should be assessed using the guidelines contained in the *Assessing Vibration: a technical guideline* (DEC, 2006). These are available at: https://www.epa.nsw.gov.au/your-environment/noise/industrial-noise/assessing-vibration

4.3. If blasting is required for any reasons during the construction or operational stage of the proposed development, blast impacts should be demonstrated to be capable of complying with the guidelines contained in *Australian and New Zealand Environment Council – Technical basis for guidelines to minimise annoyance due to blasting overpressure and ground vibration* (ANZEC, 1990).These are available at: https://www.epa.nsw.gov.au/your-environment/noise/industrial-noise/interim-construction-noise-guideline

4.4. Operational noise from all industrial activities (including private haul roads and private railway lines) to be undertaken on the premises should be assessed using the guidelines contained in the *NSW Noise Policy for Industry* (EPA, 2017). https://www.epa.nsw.gov.au/your-environment/noise/industrial-noise/noise-policy-for-industry-(2017)

4.5. Noise on public roads from increased road traffic generated by land use developments should be assessed using the guidelines contained in the *NSW Road Noise Policy* and associated application notes (EPA, 2011).https://www.epa.nsw.gov.au/your-environment/noise/transport-noise

5 Waste, chemicals and hazardous materials and radiation

5.1. The EA must assess all aspects of waste generation, management and disposal associated with the proposed development.

5.2. The EA must demonstrate compliance with all regulatory requirements outlined in the POEO Act and associated waste regulations.

5.3. The EA must demonstrate how the development will comply with any existing Resource Recovery Orders and Exemptions that are relevant. If there are no current orders or exemptions for the intended re-use of a waste resource produced by the proposed development, a specific order and exemption will need to be applied for with the EPA.

5.4. The EA must identify management measures to be implemented for all waste types received at the premises including asbestos waste, batteries, chemicals and unknowns. If disposal offsite is proposed, justification for the ultimate disposal site must be provided.

5.5. The EA must identify, characterise and classify the following in accordance with the EPA's *Waste Classification Guidelines (2014)* and associated addendums, including:

(i) all waste that will be generated onsite through excavation, demolition or construction activities, including proposed quantities of the waste;

(ii) all waste that is proposed to be disposed of to an offsite location, including proposed quantities of the waste and the disposal locations for the waste. This includes waste that is intended for re-use or recycling.

Note: The EPA's W*aste Classification Guidelines (2014)* and associated addendums are available at: https://www.epa.nsw.gov.au/your-environment/waste/classifying-waste

5.6. The EA must consider the goals, design and performance criteria identified in the EPA's guidelines, *Environmental Guidelines: Solid Waste Landfills* (EPA, 2016), available at: https://www.epa.nsw.gov.au/publications/waste/solid-waste-landfill-guidelines-160259

5.7 Outline contingency plans for any event that affects operations at the site that may result in environmental harm, including scenarios where excessive stockpiling of waste occurs, volume of leachate generated exceeds the storage capacity available on-site and similar.

5.8 The Proponent should also provide details of:

- how leachate from stockpiled waste material will be kept separate from stormwater runoff;
- treatment of leachate through a wastewater treatment plant (if applicable); and
- any proposed transport and disposal of leachate off-site

6 Water

6.1 The EA must demonstrate how the proposed development will meet the requirements of section 120 of the POEO Act.

6.2 The EA must include a water balance for the development including water requirements (quantity, quality and source(s)) and proposed storm and wastewater disposal, including type, volumes, proposed treatment and management methods and re-use options.

6.3 If the proposed development intends to discharge waters to the environment, the EA must demonstrate how the discharge(s) will be managed in terms of water quantity, quality and frequency of discharge and include an impact assessment of the discharge on the receiving environment. This should include:

- Description of the proposal including position of any intakes and discharges, volumes, water quality and frequency of all water discharges.

- Description of the receiving waters including upstream and downstream water quality as well as any other water users.

- Demonstration that all practical options to avoid discharge have been implemented and environmental impact minimised where discharge is necessary.

6.4 The EA must refer to Water Quality Objectives for the receiving waters and indicators and associated trigger values or criteria for the identified environmental values of the receiving environment. This information should be sourced from the ANZECC (2000) Guidelines for Fresh and Marine Water Quality (http://www.environment.gov.au/water/policy-programs/nwqms/).

6.5 The EA must describe how stormwater will be managed in all phases of the project, including details of how stormwater and runoff will be managed to minimise pollution. Information should include measures to be implemented to minimise erosion, leachate and sediment mobilisation at the site. The EA should consider the guidelines *Managing urban stormwater: soils and construction,* vol. 1 (Landcom 2004) and vol. 2 (A. Installation of services; C. Unsealed roads; D. Main Roads; E. Mines and quarries) (DECC, 2008).

6.6 The EA must describe any water quality monitoring programs to be carried out at the project site, Water quality monitoring should be undertaken in accordance with the *Approved Methods for the Sampling and Analysis of Water Pollutant in NSW* (2004), available on our website at: https://www.epa.nsw.gov.au/your-environment/water/polices-guidelines-and-programs.

30 July 2020

File No: NTH19/00212/02
Your Ref: SSD 8530563

The Director
Department of Planning Industry and Environment
Locked Bag 5022
PARRAMATTA NSW 2124

Attention: Mary Ellen Trimble

Dear Sir / Madam,

RE: Secretary's Environmental Assessment Requirements (SSD 8530563) Waste Facility Lots 1 & 2 DP 1226992 16 Torrens Road, Gunnedah.

I refer to your email of 17 July 2020 requesting input from Transport for NSW to the Secretary's Environmental Assessment Requirements (SEARs) for the abovementioned development proposal.

Roles and Responsibilities

From 1 December 2019, all functions and responsibilities of Roads and Maritime Services will now be vested in an integrated Transport for NSW (TfNSW). Our key interests are for the safety and efficiency of the transport network, the integrity of State infrastructure and the integration of land use and transport in accordance with *Future Transport Strategy 2056.*

Oxley Highway (HW11) and Kamilaroi Highways (HW29) are classified (State) and Gunnedah Shire Council is the Roads Authority for all public roads (other than freeways or Crown roads) in the local government area pursuant to Section 7 of the *Roads Act 1993*. TfNSW is the Roads Authority for freeways and can exercise roads authority functions for classified roads in accordance with the Roads Act. Any proposed works on a classified (State) road will require the consent of TfNSW and consent is provided under the terms of a Works Authorisation Deed (WAD).

In accordance with Clause 104 of *State Environmental Planning Policy (Infrastructure) 2007* (ISEPP), TfNSW is given the opportunity to review and provide comment on the subject development application as it meets the requirements under Schedule 3.

It is emphasised that the following comments are based on the information provided to TfNSW at this time, they are not to be interpreted as binding upon TfNSW and further comment will be provided following formal review of a development application referred by the appropriate Consent Authority.

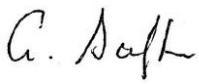
Transport for NSW Response

TfNSW request that a Traffic Impact Assessment (TIA) be prepared by suitably qualified person/s in accordance with the Austroads Guide to Traffic Management Part 12, the complementary TfNSW Supplement and RTA Guide to Traffic Generating Developments. The TIA should include, but not necessarily be limited to, an assessment of the considerations outlined in **Attachment A**.

TfNSW highlights that in determining the application under the *Environmental Planning and Assessment Act 1979*, it is the Consent Authority's responsibility to consider the environmental impacts of any roadworks which are ancillary to the development. This includes any works which form part of the proposal and/or any works which are deemed necessary to include as requirements in the conditions of project approval.

If you have any further enquiries regarding the above comments please do not hesitate to contact Greg Sciffer, Development Assessment Officer or the undersigned on (02) 6640 1362 or via email at: development.northern@rms.nsw.gov.au

Yours faithfully,



for Matt Adams
Manager Land Use Assessment Northern
Regional NSW and Outer Metropolitan
Transport for NSW

Enc. ATTACHMENT A - Requested TIA considerations for SEAR

ATTACHMENT A – Requested Traffic Impact Assessment considerations for SEAR

For context, this attachment must be read with TfNSW letter of 30 July 2020

Traffic Impact Assessment (TIA) be prepared by suitably qualified person/s in accordance with the Austroads Guide to Traffic Management Part 12, the complementary TfNSW Supplement and RTA Guide to Traffic Generating Developments.

The TIA is to identify the impacts of the development and the proposed on-site and off-site measures proposed to mitigate the impacts of the development on any road or rail related infrastructure. The TIA must explain and justify all inputs informing the proposed measures.

The TIA should be tailored to the proposed development and include, but not necessarily be limited to, consideration of the following;

- A map of the road network surrounding the site, identifying the site access arrangements, nearby accesses, intersections and any transport related facilities.
- A map of the proposed haulage route/s identifying all public roads proposed to obtain access from the classified (State) road/s to the development site. This should take into consideration other existing approved haulage routes and any constraints for turning traffic.
- The total impact of existing and proposed development on the road network with consideration for a 10 year horizon. This should include;
    - Identify Annual Average Daily Traffic (AADT) volumes with percentage heavy vehicles along the haulage route/s and diagrammatically demonstrate AM and PM peak hour movements at key intersections.
    - Background traffic data from published sources and/or recent survey data. The source of data and any assumptions are to be clearly explained and justified, including the growth rate applied to the future horizon.
    - The volume and distribution of existing and proposed trips to be generated by the construction and operational phases of the development at key intersections and the accesses. This should identify the maximum daily and hourly demands generated by the development, particularly where they coincide with the network peak hour.
    - The type and frequency of design vehicles accessing the development site.
- Details of the road geometry and alignment along the identified haulage route/s, including existing formations, crossings, intersection treatments and any identified hazards. This should include;
    - Available sight distances at intersections along the proposed haulage routes, including intersections and accesses, and any constraint to achieving the required sight distance for the posted speed limit.
    - An assessment of turn treatment warrants in accordance with the Austroads Guide to Traffic Management Part 6 and Austroads Guide to Road Design Part 4A for the identified intersections and accesses to identify the existence or need for the minimum basic turn treatments and addressing the need for any warranted higher order treatments.

Transport for NSW
76 Victoria Street, Grafton, NSW 2460 | PO Box 576, Grafton NSW 2460
W transport.nsw.gov.au

    - Swept path analysis demonstrating the largest design vehicle entering, manoeuvring and leaving the development, and moving in each direction through intersections along the proposed haulage route/s.

- Capacity analysis (using SIDRA or other relevant application), to identify an acceptable Level of Service (LOS) at intersections with the classified (State) road/s, and where relevant, analysis of any other intersections along the proposed transport route/s.
- A review of crash data along the identified transport route/s for the most recent 5 year reporting period and an assessment of road safety along the proposed transport route/s considering the safe systems principles adopted under Future Transport 2056.
- Strategic (2D) design drawings of all proposed road works and the site access demonstrating scope, estimated cost and constructability of works required to mitigate the impacts of the development on road safety, traffic efficiency and the integrity of transport infrastructure. Works must be appropriately designed for the existing posted speed limit.
- A site plan demonstrating site access, internal manoeuvring, servicing and parking areas consistent with the relevant parts of AS2890 and Council requirements. The site plan should accommodate the swept paths of relevant design vehicles servicing the existing and proposed operation of the site.
- Details of measures to address impact on public transport services and active transport modes, such as, public and school bus services, walking and cycling.
- Details of any measures proposed to ameliorate the impacts of road traffic noise and dust generated along the proposed haulage route/s.
- Details of any Traffic Management Plan (TMP) proposed to address the construction and operation of the proposed development. The TMP may include temporary measures such a Traffic Control Plan (TCP) prepared and implemented by suitably qualified persons in accordance with the current *Traffic Control at Work Sites Manual*. It is recommended that any TMP adopt a Driver Code of Conduct, including but not necessarily limited to, the following;
    - A map of the primary haulage route/s highlighting critical locations.
    - An induction process for vehicle operators and regular toolbox meetings.
    - Procedures for travel through residential areas, school zones and/or bus route/s.
    - A complaint resolution and disciplinary procedure.
    - Community consultation measures proposed for peak periods.

Where road safety concerns are identified at a specific location along the proposed haulage routes, TfNSW suggests that the TIA be supported by a targeted Road Safety Audit undertaken by suitably qualified persons in accordance with the Austroads Guidelines.

Any roadwork on classified (State) road/s is to be designed and constructed in accordance with the current Austroads Guidelines, Australian Standards and TfNSW Supplements.

The developer will be required to enter into a Works Authorisation Deed (WAD) with TfNSW for any roadwork deemed necessary on the classified (State) road. The developer will be responsible for all costs associated with the roadwork and administration for the WAD. It is recommended that developers familiarise themselves with the requirements of the WAD process. Further information can be obtained from the TfNSW website.

Our ref: DOC20/585748
Senders ref: SSD-8530563

Ms Mary Ellen Trimble
Student Para Planner
Planning and Assessment Group
maryellen.Trimble@planning.nsw.gov.au

Dear Mary Ellen

Request for SEARs - Gunnedah Waste Facility (SSD-8530563)

I refer to your email dated 17 July 2020 seeking input into the Department of Planning, Industry and Environment Secretary's Environmental Assessment Requirements (SEARs) for the preparation of an Environmental Impact Assessment (EIS) for the Gunnedah Waste Facility (SSD-8530563).

The Biodiversity and Conservation Division (BCD) has considered your request and provides SEARs for the proposed development in **Attachments A** and **B**.

BCD recommends the EIS needs to appropriately address the following:

1. Biodiversity and offsetting
2. Water and soils
3. Flooding

BCD note the proponent's intent to submit a BDAR waiver for the project. BCD will review this application upon submission. In the absence of the BDAR waiver application BCD provides our standard set of assessment requirements.

Please note that as of 1 July 2020 Aboriginal cultural heritage responsibilities previously performed by BCD Planning teams have been transferred to the Heritage Division of the Department of Premier and Cabinet. Any questions or requests for formal Aboriginal cultural heritage assessment requirements should be directed to heritagemailbox@environment.nsw.gov.au, phone 02 9873 8500 or mail Heritage NSW, Department of Premier and Cabinet, Locked Bag 5020 Parramatta NSW 2124.

If you have any questions about this advice, please do not hesitate to contact David Geering, Senior Conservation Planning Officer, via david.geering@environment.nsw.gov.au or (02) 6883 5335.

Yours sincerely,

Samantha Wynn
Senior Team Leader Planning North West
Biodiversity and Conservation Division

21 July 2020

Attachment A - Environmental Assessment Requirements

Attachment B - Guidance Material

Standard Environmental Assessment Requirements

OEH	Office of Environment and Heritage (now Biodiversity and Conservation Division)
BCD	Biodiversity and Conservation Division of the NSW Department of Planning, Industry and Environment, formerly OEH
The Department	NSW Department of Planning, Industry and Environment
NPWS	National Parks and Wildlife Service

Biodiversity

1. Biodiversity impacts related to the proposed development are to be assessed in accordance with Section 7.9 of the Biodiversity Conservation Act 2017 the Biodiversity Assessment Method and documented in a Biodiversity Development Assessment Report (BDAR). The BDAR must include information in the form detailed in the *Biodiversity Conservation Act 2016* (s6.12), *Biodiversity Conservation Regulation 2017* (s6.8) and Biodiversity Assessment Method, unless the Department determine that the proposed development is not likely to have any significant impacts on biodiversity values.
2. The BDAR must document the application of the avoid, minimise and offset framework including assessing all direct, indirect and prescribed impacts in accordance with the Biodiversity Assessment Method.
3. The BDAR must include details of the measures proposed to address the offset obligation as follows;
   - The total number and classes of biodiversity credits required to be retired for the development/project;
   - The number and classes of like-for-like biodiversity credits proposed to be retired;
   - The number and classes of biodiversity credits proposed to be retired in accordance with the variation rules;
   - Any proposal to fund a biodiversity conservation action;
   - Any proposal to conduct ecological rehabilitation (if a mining project);
   - Any proposal to make a payment to the Biodiversity Conservation Fund.

   If seeking approval to use the variation rules, the BDAR must contain details of the reasonable steps that have been taken to obtain requisite like-for-like biodiversity credits.
4. The BDAR must be submitted with all spatial data associated with the survey and assessment as per Appendix 11 of the BAM.

5. The BDAR must be prepared by a person accredited in accordance with the Accreditation Scheme for the Application of the Biodiversity Assessment Method Order 2017 under s6.10 of the *Biodiversity Conservation Act 2016*.

Water and soils

6. The EIS must map the following features relevant to water and soils including:
   a. Acid sulfate soils (Class 1, 2, 3 or 4 on the Acid Sulfate Soil Planning Map).
   b. Rivers, streams, wetlands, estuaries (as described in s4.2 of the Biodiversity Assessment Method).
   c. Wetlands as described in s4.2 of the Biodiversity Assessment Method.
   d. Groundwater.
   e. Groundwater dependent ecosystems.
   f. Proposed intake and discharge locations.

7. The EIS must describe background conditions for any water resource likely to be affected by the development, including:
   a. Existing surface and groundwater.
   b. Hydrology, including volume, frequency and quality of discharges at proposed intake and discharge locations.
   c. Water Quality Objectives (as endorsed by the NSW Government http://www.environment.nsw.gov.au/ieo/index.htm) including groundwater as appropriate that represent the community's uses and values for the receiving waters.
   d. Indicators and trigger values/criteria for the environmental values identified at (c) in accordance with the ANZECC (2000) Guidelines for Fresh and Marine Water Quality and/or local objectives, criteria or targets endorsed by the NSW Government.
   e. *Risk-based Framework for Considering Waterway Health Outcomes in Strategic Land-use Planning Decisions*

8. The EIS must assess the impacts of the development on water quality, including:
   a. The nature and degree of impact on receiving waters for both surface and groundwater, demonstrating how the development protects the Water Quality Objectives where they are currently being achieved, and contributes towards achievement of the Water Quality Objectives over time where they are currently not being achieved. This should include an assessment of the mitigating effects of proposed stormwater and wastewater management during and after construction.
   b. Identification of proposed monitoring of water quality.

9. The EIS must assess the impact of the development on hydrology, including:
   a. Water balance including quantity, quality and source.
   b. Effects to downstream rivers, wetlands, estuaries, marine waters and floodplain areas.

c. Effects to downstream water-dependent fauna and flora including groundwater dependent ecosystems.
d. Impacts to natural processes and functions within rivers, wetlands, estuaries and floodplains that affect river system and landscape health such as nutrient flow, aquatic connectivity and access to habitat for spawning and refuge (e.g. river benches).
e. Changes to environmental water availability, both regulated/licensed and unregulated/rules-based sources of such water.
f. Mitigating effects of proposed stormwater and wastewater management during and after construction on hydrological attributes such as volumes, flow rates, management methods and re-use options.
g. Identification of proposed monitoring of hydrological attributes.

Flooding

10. The EIS must map the following features relevant to flooding as described in the Floodplain Development Manual 2005 (NSW Government 2005) including:
    a. Flood prone land.
    b. Flood planning area, the area below the flood planning level.
    c. Hydraulic categorisation (floodways and flood storage areas).
    d. Flood hazard

11. The EIS must describe flood assessment and modelling undertaken in determining the design flood levels for events, including a minimum of the 5% Annual Exceedance Probability (AEP), 1% AEP, flood levels and the probable maximum flood, or an equivalent extreme event.

12. The EIS must model the effect of the proposed development (including fill) on the flood behaviour under the following scenarios:
    a. Current flood behaviour for a range of design events as identified in 14 above. This includes the 0.5% and 0.2% AEP year flood events as proxies for assessing sensitivity to an increase in rainfall intensity of flood producing rainfall events due to climate change.

13. Modelling in the EIS must consider and document:
    a. Existing council flood studies in the area and examine consistency to the flood behaviour documented in these studies.
    b. The impact on existing flood behaviour for a full range of flood events including up to the probable maximum flood, or an equivalent extreme flood.
    c. Impacts of the development on flood behaviour resulting in detrimental changes in potential flood affection of other developments or land. This may include redirection of flow, flow velocities, flood levels, hazard categories and hydraulic categories.

d. Relevant provisions of the NSW Floodplain Development Manual 2005.

14. The EIS must assess the impacts on the proposed development on flood behaviour, including:

a. Whether there will be detrimental increases in the potential flood affectation of other properties, assets and infrastructure.
b. Consistency with Council floodplain risk management plans.
c. Consistency with any Rural Floodplain Management Plans.
d. Compatibility with the flood hazard of the land.
e. Compatibility with the hydraulic functions of flow conveyance in floodways and storage in flood storage areas of the land.
f. Whether there will be adverse effect to beneficial inundation of the floodplain environment, on, adjacent to or downstream of the site.
g. Whether there will be direct or indirect increase in erosion, siltation, destruction of riparian vegetation or a reduction in the stability of river banks or watercourses.
h. Any impacts the development may have upon existing community emergency management arrangements for flooding. These matters are to be discussed with the NSW SES and Council.
i. Whether the proposal incorporates specific measures to manage risk to life from flood. These matters are to be discussed with the NSW SES and Council.
j. Emergency management, evacuation and access, and contingency measures for the development considering the full range or flood risk (based upon the probable maximum flood or an equivalent extreme flood event). These matters are to be discussed with and have the support of Council and the NSW SES.
k. Any impacts the development may have on the social and economic costs to the community as consequence of flooding.

Guidance Material

Title	Web address
Relevant Legislation	
Biodiversity Conservation Act 2016	https://www.legislation.nsw.gov.au/#/view/act/2016/63/full
Commonwealth Environment Protection and Biodiversity Conservation Act 1999	http://www.austlii.edu.au/au/legis/cth/consol_act/epabca1999588/
Environmental Planning and Assessment Act 1979	http://www.legislation.nsw.gov.au/maintop/view/inforce/act+203+1979+cd+0+N
Fisheries Management Act 1994	http://www.legislation.nsw.gov.au/maintop/view/inforce/act+38+1994+cd+0+N
Marine Parks Act 1997	http://www.legislation.nsw.gov.au/maintop/view/inforce/act+64+1997+cd+0+N
National Parks and Wildlife Act 1974	http://www.legislation.nsw.gov.au/maintop/view/inforce/act+80+1974+cd+0+N
Protection of the Environment Operations Act 1997	http://www.legislation.nsw.gov.au/maintop/view/inforce/act+156+1997+cd+0+N
Water Management Act 2000	http://www.legislation.nsw.gov.au/maintop/view/inforce/act+92+2000+cd+0+N
Wilderness Act 1987	http://www.legislation.nsw.gov.au/viewtop/inforce/act+196+1987+FIRST+0+N
Biodiversity	
Biodiversity Assessment Method (OEH, 2017)	https://biodiversity-ss.s3.amazonaws.com/Uploads/1494298079/Biodiversity-Assessment-Method-May-2017.pdf
Biodiversity Development Assessment Report	https://www.legislation.nsw.gov.au/#/view/act/2016/63/part6/div3/sec6.12
Guidance and Criteria to assist a decision maker to determine a serious and irreversible impact (OEH, 2017)	https://biodiversity-ss.s3.amazonaws.com/Uploads/1494298198/Serious-and-Irreversible-Impact-Guidance.PDF
Accreditation Scheme for Application of the Biodiversity Assessment Metho Order 2017	https://www.legislation.nsw.gov.au/regulations/2017-471.pdf
Biodiversity conservation actions	www.environment.nsw.gov.au/resources/bcact/ancillary-rules-biodiversity-actions-170496.pdf
Reasonable steps to seek like-for-like biodiversity credits for the purpose of applying the variation rules	www.environment.nsw.gov.au/resources/bcact/ancillary-rules-reasonable-steps-170498.pdf
The Department's Threatened Species Website	www.environment.nsw.gov.au/threatenedspecies/
NSW BioNet (Atlas of NSW Wildlife)	www.bionet.nsw.gov.au/

Title	Web address
NSW guide to surveying threatened plants (OEH 2016)	www.environment.nsw.gov.au/resources/threatenedspecies/160129-threatened-plants-survey-guide.pdf
The Department's threatened species survey and assessment guideline information	www.environment.nsw.gov.au/threatenedspecies/surveyassessmentgdlns.htm
BioNet Vegetation Classification - NSW Plant Community Type (PCT) database	www.environment.nsw.gov.au/research/Vegetationinformationsystem.htm
The Departments Data Portal (access to online spatial data)	http://data.environment.nsw.gov.au/
Fisheries NSW policies and guidelines	http://www.dpi.nsw.gov.au/fisheries/habitat/publications/policies,-guidelines-and-manuals/fish-habitat-conservation
List of national parks	http://www.environment.nsw.gov.au/NationalParks/parksearchatoz.aspx
Revocation, recategorisation and road adjustment policy (OEH, 2012)	http://www.environment.nsw.gov.au/policies/RevocationOfLandPolicy.htm
Guidelines for developments adjoining land and water managed by the Department of Environment, Climate Change and Water (DECCW, 2010)	http://www.environment.nsw.gov.au/protectedareas/developmntadjoiningdecc.htm
Water and Soils	
Acid sulphate soils	
Acid Sulfate Soils Planning Maps via Data.NSW	http://data.nsw.gov.au/data/
Acid Sulfate Soils Manual (Stone et al. 1998)	http://www.environment.nsw.gov.au/resources/epa/Acid-Sulfate-Manual-1998.pdf
Acid Sulfate Soils Laboratory Methods Guidelines (Ahern et al. 2004)	http://www.environment.nsw.gov.au/resources/soils/acid-sulfate-soils-laboratory-methods-guidelines.pdf This replaces Chapter 4 of the Acid Sulfate Soils Manual above.
Flooding	
Floodplain development manual	http://www.environment.nsw.gov.au/floodplains/manual.htm
NSW Climate Impact Profile	http://climatechange.environment.nsw.gov.au/
Climate Change Impacts and Risk Management	Climate Change Impacts and Risk Management: A Guide for Business and Government, AGIC Guidelines for Climate Change Adaptation
Water	
Water Quality Objectives	http://www.environment.nsw.gov.au/ieo/index.htm
ANZECC (2000) Guidelines for Fresh and Marine Water Quality	www.environment.gov.au/water/publications/quality/australian-and-new-zealand-guidelines-fresh-marine-water-quality-volume-1

Title	Web address
Applying Goals for Ambient Water Quality Guidance for Operations Officers – Mixing Zones	http://deccnet/water/resources/AWQGuidance7.pdf
Approved Methods for the Sampling and Analysis of Water Pollutant in NSW (2004)	http://www.environment.nsw.gov.au/resources/legislation/approvedmethods-water.pdf

Gunnedah Shire Council

Department of Planning, Industry and Environment
maryellen.trimble@planning.nsw.gov.au

05 August 2020

Dear Sir/Madam,

Re: Request for the Secretary's Environmental Assessment Requirements, 16 Torrens Road, Gunnedah

I refer to your correspondence requesting Secretary's Environmental Assessment Requirements (SEARs).

With regards to this development Council would like to make the following comments. It is recommended that the Environmental Impact Statement address the potential impacts of the proposal and include the following information:

- Detailed Traffic Impact Assessment
- Detailed Noise and Air Impact Assessments
- Biodiversity Impact Assessment, including an assessment under State Environmental Planning Policy (Koala Habitat Protection) 2019
- Heritage Impact Assessment, including an assessment of the Aboriginal cultural heritage and Archaeology
- Assessment of the application under the provisions of the relevant State Environmental Planning Policies
- Site Servicing Strategy, including investigation into the availability and suitability of Council's infrastructure to accommodate the service demands of the proposed development
- Details of vehicle haulage routes and location of source of wastes, including method for tracking of waste from source to the site
- Detailed Soil Management Plan, including sediment and erosion controls

If you have any questions regarding this matter, please contact Council's Acting Manager Development & Planning, Wade Hudson on 6740 2100.

Yours faithfully

Wade Hudson
SENIOR DEVELOPMENT OFFICER

Contact: 02 6740 2148
Reference: wh.bg

OUT20/8667

Mary Ellen Trimble
Planning and Assessment Group
NSW Department of Planning, Industry and Environment

maryellen.trimble@planning.nsw.gov.au

Dear Ms Trimble

Gunnedah Waste Facility- SSD 8530563
Comment on the Secretary's Environmental Assessment Requirements (SEARs)

I refer to your email of 17 July 2020 to the Department of Planning, Industry and Environment (DPIE) Water and the Natural Resources Access Regulator (NRAR) about the above matter.

The following recommendations are provided by DPIE Water and NRAR. Please note Crown Lands, the Department of Primary Industries (DPI) – Fisheries and DPI - Agriculture all now provide a separate response directly to you.

The SEARS should include:

- The identification of an adequate and secure water supply for the life of the project. This includes confirmation that water can be sourced from an appropriately authorised and reliable supply. This is also to include an assessment of the current market depth where water entitlement is required to be purchased.
- A detailed and consolidated site water balance.
- Assessment of impacts on surface and ground water sources (both quality and quantity), related infrastructure, adjacent licensed water users, basic landholder rights, watercourses, riparian land, and groundwater dependent ecosystems, and measures proposed to reduce and mitigate these impacts.
- Proposed surface and groundwater monitoring activities and methodologies.
- Consideration of relevant legislation, policies and guidelines, including the NSW Aquifer Interference Policy (2012), the Guidelines for Controlled Activities on Waterfront Land (2018) and the relevant Water Sharing Plans (available at https://www.industry.nsw.gov.au/water).

Any further referrals to DPIE – NRAR & Water can be sent by email to: landuse.enquiries@dpi.nsw.gov.au.

Any further referrals to (a) Crown Lands; (b) DPI – Fisheries; and (c) DPI – Agriculture can be sent by email to: (a) lands.ministerials@industry.nsw.gov.au; (b) ahp.central@dpi.nsw.gov.au; and (c) landuse.ag@dpi.nsw.gov.au respectively.

Yours sincerely

Alistair Drew
Project Officer, Assessments
Water – Strategic Relations
22 July 2020

Mary Ellen Trimble

From: Alan Bawden <Alan.Bawden@rfs.nsw.gov.au>
Sent: Friday, 31 July 2020 12:14 PM
To: Mary Ellen Trimble
Subject: FW: New Request for Advice - Gunnedah Waste Facility (SSD-8530563) (Gunnedah Shire)
Attachments: Request SEARS SSD TorrensRd REV C.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon Mary Ellen

The NSW RFS has received and reviewed your correspondence below and attached document

The land is not mapped BFPL and not adjoining any un-managed bush fire hazard

The facility is located in Fire +Rescue response area for all structural and hazardous fires.

The NSW RFS has no objection and no requirements for the EIS. No further consultation is required as the EIS and RTS phase of the SSD assessment.

Regards

Alan Bawden
Team Leader - Development Assessment and Planning
Planning and Environment Services (North)
NSW RURAL FIRE SERVICE
1/129 West High Street Coffs Harbour
Locked Bag 17 GRANVILLE NSW 2142
p 02 66910400 e pes@rfs.nsw.gov.au
www.rfs.nsw.gov.au **www.facebook.com/nswrfs** **www.twitter.com/nswrfs**
PREPARE.ACT.SURVIVE

From: Mary Ellen Trimble <Maryellen.Trimble@planning.nsw.gov.au>
Sent: Monday, 20 July 2020 4:50 PM
To: Records <Records@rfs.nsw.gov.au>
Subject: New Request for Advice - Gunnedah Waste Facility (SSD-8530563) (Gunnedah Shire)

Good Afternoon,
The Department of Planning, Industry and Environment has received a request for Secretary's Environmental Assessment Requirements (SEARs) for the Gunnedah Waste Facility. The proposed development is a State Significant Development under the Environmental Planning and Assessment Act 1979.

Please provide input into the SEARs for the proposal including details of any key issues and assessment requirements by **3 August 2020**.
The SEARs request can be viewed on the Department's website at https://www.planningportal.nsw.gov.au/major-projects/project/38166. You are encouraged to create a login and submit your response via the Major Projects website.
If you have any enquiries, please contact Mary Ellen Trimble on (02) 9274 6213 at maryellen.trimble@planning.nsw.gov.au.
Regards

Mary Ellen Trimble

From: Brendan.M Hurley <Brendan.M.Hurley@fire.nsw.gov.au>
Sent: Tuesday, 28 July 2020 9:38 AM
To: Mary Ellen Trimble
Cc: Fire Safety
Subject: New Request for Advice - Gunnedah Waste Facility (SSD-8530563) (Gunnedah Shire). BFS20/2263

New Request for Advice - Gunnedah Waste Facility (SSD-8530563) (Gunnedah Shire)

Dear Mary-Ellen,

Fire & Rescue NSW (FRNSW) acknowledge the receipt of your email on the 20th July 2020, requesting input into the preparation of the Secretary's Environmental Assessment Requirements (SEARs) for the preparation of an Environmental Impact Statement (EIS) for the Gunnedah Waste Management Facility.

It has been the experience of FRNSW that waste recycling facilities pose unique challenges to firefighters when responding to and managing an incident. Factors such as high and potentially hazardous fuel loads, facility layout, and design of fire safety systems have a significant impact on the ability to conduct firefighting operations safely and effectively. Consultation with organisations such as FRNSW throughout the development process enables the design and implementation of more effective fire safety solutions that help to mitigate the impact of incidents when they occur.

FRNSW have reviewed the documentation that was provided in support of the development and are conditionally satisfied with the proponents draft fire safety mitigation strategies. FRNSW request that further information be provided regarding the fire water hydraulic calculations (pressure and flow) for the hydrants and sprinklers for the site and the proposed storage arrangements for the lithium-ion batteries.

We request that we be given the opportunity to review and provide comment once approvals have been granted and the project has progressed such that there is more relevant detailed information available.

As additional details become available Fire & Rescue NSW requests to be consulted with respect to the proposed fire and life safety systems and their configuration at the project's preliminary and final design phases.

While there is currently no requirement for a fire safety study, FRNSW may request one be undertaken at a later stage should information be provided such it is deemed that the development poses unique challenges to the response to and management of an incident.

If you have any queries regarding the above please contact the Fire Safety Infrastructure Liaison Unit, referencing FRNSW file number BFS20/2263. Please ensure that all correspondence in relation to this matter is submitted electronically to firesafety@fire.nsw.gov.au.

Regards
Brendan

A/INSPECTOR BRENDAN HURLEY
TEAM LEADER INFRASTRUCTURE LIAISON
FIRE SAFETY | Fire and Rescue NSW
E: brendan.m.hurley@fire.nsw.gov.au
M: 0438601582
1 Amarina Ave, Greenacre, NSW 2190

Heritage NSW Response to SSD-8530563 Response to SEARs Request to Input for SEARs

Notes:

We have reviewed the documentation provided to inform the SEARS and note the previous levels of disturbance at the site. We also note that an Aboriginal Cultural Heritage Assessment (ACHA) is currently being undertaken for this project. Heritage NSW recommends that any ACHA incorporate the following

1. The [EIS/EA] must identify and describe the Aboriginal cultural heritage values that exist across the whole area that will be affected by the [development/project] and document these in an Aboriginal Cultural Heritage Assessment Report (ACHAR). This may include the need for surface survey and test excavation. The identification of cultural heritage values must be conducted in accordance with the Code of Practice for Archaeological Investigations of Aboriginal Objects in NSW (OEH 2010), and be guided by the Guide to investigating, assessing and reporting on Aboriginal Cultural Heritage in NSW (DECCW, 2011) and consultation with Heritage NSW regional branch officers.

2. Consultation with Aboriginal people must be undertaken and documented in accordance with the Aboriginal cultural heritage consultation requirements for proponents 2010 (DECCW). The significance of cultural heritage values for Aboriginal people who have a cultural association with the land must be documented in the ACHAR.

3. Impacts on Aboriginal cultural heritage values are to be assessed and documented in an ACHAR. The ACHAR must demonstrate attempts to avoid impact upon cultural heritage values and identify any conservation outcomes. Where impacts are unavoidable, the ACHAR must outline measures proposed to mitigate impacts. Any objects recorded as part of the assessment must be documented and notified to Heritage NSW.

4. The ACHAR must outline procedures to be followed if Aboriginal objects are found at any stage of the life of the [development/project] to formulate appropriate measures to manage unforeseen impacts.

For further information please contact Roger Mehr, Archaeologist, on 0459075354 or at Roger.Mehr@environment.nsw.gov.au

Crown Lands Division Response to SSD-8530563 Request for Input to SEARs

The proponent has indicated in the request that the proposed development will be accessed via Torrens Road and Quia Road. Records indicate that these roads are currently Crown roads. They will need to be transferred to Gunnedah Shire Council prior to project approval or commencement of works.

See attached diagram for reference.