

Industry Assessments
Attention Sally Munk
Department of Planning, Industry and Environment
4 Parramatta Square
12 Darcy Street,
Parramatta NSW 2150

Dear Sally,

**Major Projects – New Request for Advice - Woodlawn Advanced Energy Recovery Centre State
Significant Development (SSD) application (SSD-21184278)
Feedback from Murrumbidgee and Southern NSW Local Health District Public Health Unit**

Thank you for the opportunity to provide input to the Secretary's Environmental Assessment Requirements (SEARs) for the proposed Woodlawn Advanced Energy Recovery Centre State Significant Development (SSD) application (SSD-21184278).

The Public Health Unit has reviewed the Scoping Report provided which provides an adequate description of the scope of the information required to assess the impacts of the proposed development. In particular the following information would assist the Public Health Unit when reviewing the Environmental Impact Statement with a focus on assessment of the health impacts from the proposed development.

Technical Detail

- Detailed description of the plant design and treatment technology with a comparison to the European reference facilities used in air quality modelling.
- Description of how the plant will fit with current best available technologies for stack emissions and controls.

Air quality and odour

- The inclusion of a clear and detailed comparison between the proposed waste feedstock for this facility and the chosen European reference facilities.
- Clear information on the expected air quality and odour emissions from the proposed development based on the European reference facility and compliance with the relevant NSW/Australian and European emission controls. This should include an assessment of the proposed development and cumulative impact from the developments within the existing eco precinct.
- Description of local meteorological and topographical conditions used in air dispersion modelling in the calculation of the local ground level impacts on the surrounding community and facilities. This should include an assessment of the proposed development and cumulative impact from the developments within the existing eco precinct.

Waste Classification/management

- Include a detailed description of the process of waste classification and onsite management of waste feedstock (including out of spec waste) entering the plant to ensure that the actual feedstock consistently meets the predicted feedstock on which the air quality modelling and the health risk assessment have been based.
- Include a detailed description of the management of bottom ash and fly ash, including both solid and liquid components. This shall address both on – site storage and application, and any off – site transport and disposal requirements where the material cannot be handled on - site.

Human Health Risk Assessment

- Conduct in accordance with Environmental Health Risk Assessment Guidelines for Assessing Health Risks from Environmental Hazards and Australian Exposure Factor Guidelines (enHealth).
- Include appropriate justified and realistic modelled scenarios on sensitive receivers including local residential areas, school and child care centres, recreational users of Lake George and Lake Bathurst (and any other identified sensitive receivers).
- Impacts on ground water, water sources, drinking water catchments and rain water tanks (where there is no connection available to a reticulated, etc.
- Cumulative impacts from other industry or facilities around, including those within the Woodlawn Exo Precinct, and the Woodlawn Zinc-Copper Project, Herron Resources Limited.

Noise

The proponent should assess the human health risks associated with the project's noise impacts during construction and operation.

Consideration should be given to impacts to sensitive receptors including residential receptors, child care centres, schools, aged care facilities and medical facilities. The duration of exposure and the characteristics of noise should be assessed. Impacts to sleep disturbance should be considered. Consideration should be given to whether noise levels exceed the health-based limits specified in the enHealth (2017) report The Health Effects of Environmental Noise.

Should you wish to discuss this matter further, please contact Tabitha Holliday, Environmental Health Officer on 0407 060 237 or Tabitha.Holliday@health.nsw.gov.au.