

**Hunter New England Local Health District
Hunter New England Population Health
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Health
Hunter New England
Local Health District

21 March 2017

Ms Susan Fox
Planning Officer
Department of Planning & Environment
GPO Box 39
SYDNEY NSW 2001

Dear Ms Fox

ORICA KOORAGANG - ARSENIC REMEDIATION PROJECT (SSD 7831)

I refer to the Environmental Impact Statement (EIS) exhibited on the NSW Department of Planning & Environment web site in relation to the Orica Kooragang Remediation Program (SSD 7831). Orica Australia Pty Ltd produces ammonia, nitric acid and ammonium nitrate at its Kooragang Island site and proposes to install a cap and containment remediation system to address on-site arsenic contamination located in a small area in the north-west portion of the Orica Facility.

The remediation system is designed to prevent, to the extent practicable, further off-site migration of arsenic. The cap and containment system involves the installation of a low permeability cut-off wall to a depth of approximately 12 metres below ground level and integration of a low permeability capping system. The EIS includes a Construction Environmental Management Plan comprising extensive measures to manage the environment and monitor during construction operations

Hunter New England Population Health (HNEPH) has reviewed the (EIS) and associated documentation provided by the proponents and also the extensive list of Director General's Requirements, paying particular attention to the management of air quality, noise, soil, water and other issues which may have an impact on human health.

In this regard HNEPH has participated in the planning and consultation process for this proposal and is satisfied that the EIS address the human health concerns surrounding the development.

In addition HNEPH recommends that a mosquito management plan focusing on exotic mosquito species identification should be included in a vector management strategy. A mosquito risk assessment should be included in the SEE to ensure any potential mosquito breeding sites are identified e.g. natural or constructed wetlands, stormwater drains, lagoons, ponds and low lying areas. The mosquito management plan will also assist to

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prevent both nuisance biting mosquitoes and disease transmitting mosquitoes affecting employees, visitors and the local population.

The stormwater management plan must address mosquito breeding issues such as natural depressions around the site and drainage channels. This is to reduce both nuisance biting and disease transmitting mosquitoes to the local population.

If you require any further information please contact Chris Williams, Environmental Health Officer on 4924 6477

Yours sincerely



Professor David Durrheim

Director - Health Protection
Hunter New England Population Health