



FORMER LEDNEZ AND ALLIED FEEDS PROJECTS **ODOUR CONTROLS**



Photos -

1. Thiess' environmental consultants using a Nasal Ranger to help quantify and characterise odours.
2. Odour trials being undertaken to assess the strength of odours that will be emitted when excavation of the Bay sediments commences.

BACKGROUND

The former Lednez/Union Carbide and neighbouring Allied Feeds sites at Rhodes have a long history of chemical manufacturing that has resulted in extensive contamination of the land based sites, as well as area into Homebush Bay.

Thiess Services commenced the remediation of these two sites in 2005. The work is being undertaken in a strictly controlled manner, to standards set by key Government regulators, so that it does not significantly impact on the surrounding community or environment.

ODOUR IMPACTS

The excavation and treatment of the contaminated soils will expose materials that have the potential to emit odours to the atmosphere. Whilst it is expected to generate odours, which may smell like petrol, oil or mothballs, they will not be harmful to human health, and they won't last for long periods of time. Odours are challenging to contain as they cannot be seen.

Odours will also be released during the Bay Sediment works. These are naturally occurring odours, that will smell like rotten egg gas. This odour is generated from the sediments due to the presence of sulphur compounds.

Excavation of odorous materials will be undertaken in order to minimise the plan area of contaminated soil exposed to the atmosphere, hence reducing the opportunity for odours to be released. At all times the progress of excavation, haulage and stockpiling works will be adjusted as needed to optimise the performance of air quality mitigation activities with consideration of prevailing weather conditions.

HEALTH RISKS

Human noses are very sensitive and hence it is likely that people in the community will at some time during the works, smell the odours. There are no threats to human health associated with the potential odours that may be dispersed from the remediation works - due to the distance from the source of the odours.

Thiess Services understand that it will not be pleasant and plan to do everything possible to reduce the odours. We will be undertaking regular monitoring to ensure that we identify and address the source of any odours.



Photo - 3. Aerial view of the projects showing the close proximity of the local community - and hence the need to manage odours as best possible.



CONTACT US.

We value your feedback and input. Please let us know of any concerns you have, or if you want to be included on our mailing list. You can contact the Community Liaison Officer by:

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Rhodes
REMEDICATION
PROJECTS

Homebush Bay and the former
Lednez and Allied Feeds sites

ODOUR MITIGATION MEASURES

Whilst some uncertainty exists with regards to the level of odour impact likely to be sustained, Thiess Services have prepared and implemented a number of mitigation and control measures to lessen any impacts on the community.

Non-toxic odour suppressants are chemicals that either chemically react with or mask volatile odorous compounds. Odour suppressants will be applied by water sprays directly to excavation surfaces and to stockpiles where odorous materials are being handled. In addition, odour suppressants will be dispersed via misting systems, both locally at the odour source and at the boundary of the sites.

The spray application of a soil bonding agent (which forms an invisible cover) is used on stockpiles to encapsulate the surface and help control odour and dust.

Covering of excavation faces after hours will be achieved by either a 'non-odorous soil cover', such as soil typically spread to 150mm thickness over the area; mulching - using organic mulch which acts as a biofilter to effectively control odours or synthetic sheeting or tarps.

'SPRAY MISTING SYSTEMS ARE IN USE AROUND THE SITE BOUNDARIES. YOU MAY SEE OR FEEL THESE IF YOU WALK PAST THE SITES. THE MIST CONTAINS WATER AND A NON-TOXIC ODOUR SUPPRESSANT - AND IT IS NOT HARMFUL TO YOUR HEALTH'.