

TO THE RESIDENT

Dear resident

Re: Beverley environmental assessment report findings

The Environment Protection Authority (EPA) has been assessing groundwater and soil vapour in Beverley for historically used chemicals including trichloroethene (TCE), since April 2015.

Site specific works, in the area close to a source in Pope Street, are being undertaken to determine if there is a risk to human health from vapour intrusion into their homes. These works are being undertaken by environmental consultant Golder and Associates and the findings are expected to be delivered in June 2016.


A second assessment program focussing on the broader Beverley area has been undertaken concurrently to the site specific works, to determine the extent of the contaminated groundwater plume and possible sources of TCE. Environmental consultant JBS&G has now finalised its report on approximately 150 properties around the fringes of the assessment area.

Of these properties, 149 have very low predicted concentrations of less than 2µg of TCE per cubic metre, and 1 has a predicted concentration of between 2 and 20µg of TCE per cubic metre. The EPA and SA Health consider that these numbers do not warrant any intervention (please see TCE action framework and map attached). The JBS&G report is available on the EPA website.

The EPA will soon undertake additional work to determine the necessary size of a future groundwater prohibition area, which will put a formal restriction on the extraction of groundwater in this area via a bore. As per previous advice, please do not use groundwater (bore water) for any purpose. Mains water and water from rainwater tanks are not affected.

If you have any queries or concerns, or would like to join our Community Working Group, please do not hesitate to contact us on 1800 729 175 or email EPASiteContam@sa.gov.au.

Yours sincerely



Andrew Pruszinski

MANAGER SITE CONTAMINATION

ENVIRONMENT PROTECTION AUTHORITY

Date: 12 May 2016

Per richiedere una copia di questa lettera in italiano, si prega di telefonare 13 14 50.

Για να ζητήσετε ένα αντίγραφο της παρούσας επιστολής στην ελληνική γλώσσα, παρακαλούμε τηλεφωνήστε στο 13 14 50.

为了要求这封信普通话的副本，请致电13 14 50.

Indoor air level response range (TCE)



No Action

Indoor Air Level:

Nothing detected

Safe



Validation

Indoor Air Level:

Above detection - less than 2 ($\mu\text{g}/\text{m}^3$)

Safe



Investigation

Indoor Air Level:

2 - less than 20 ($\mu\text{g}/\text{m}^3$)

No immediate health concerns

Further assessment may be necessary



Intervention

Indoor Air Level:

20 - less than 200 ($\mu\text{g}/\text{m}^3$)

There may be a health risk

Immediately look at next steps and further assessment



Accelerated Intervention

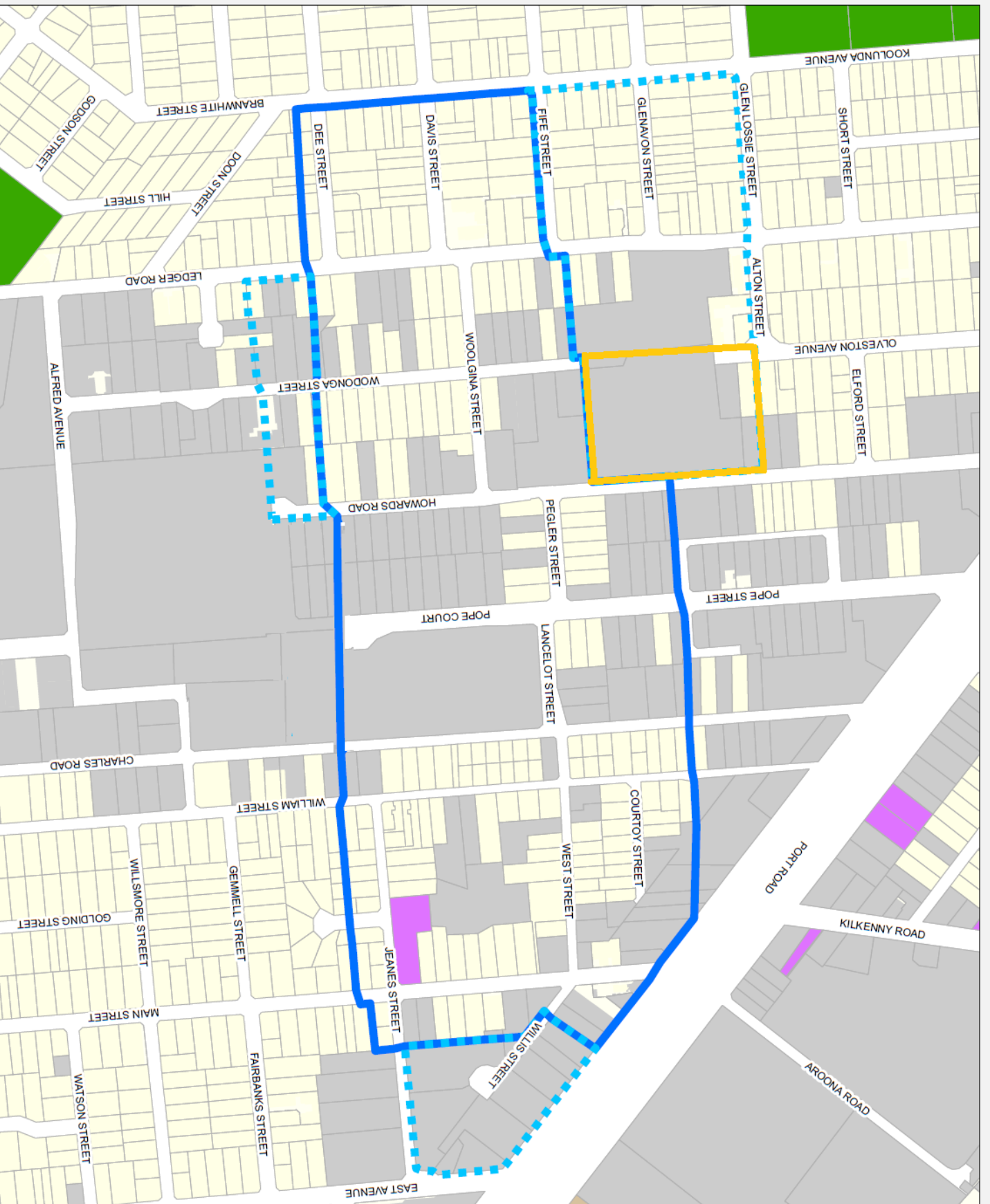
Indoor Air Level:

200 and above ($\mu\text{g}/\text{m}^3$)

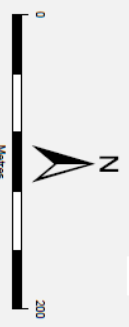
There is a health risk

Immediate action (mitigation or possible relocation)

Beverley Assessment Area



- Residential
- Commercial, Industry or Vacant
- Parks and Reserves
- Education
- Public Institution
- Site specific works (results due Jun 2016)
- $2\mu\text{g}/\text{m}^3\text{ TCE}$ predicted indoors
- $2-20\mu\text{g}/\text{m}^3\text{ TCE}$ predicted indoors
- $2-20\mu\text{g}/\text{m}^3\text{ TCE}$ predicted indoors



Produced by Environment Protection Authority
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www.epa.sa.gov.au

Data Source EPA, DENR, DPTI

Projection Lambert Conformal Conic
Datum Geocentric Datum of Australia, 1984
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