

TO THE RESIDENT

Dear resident

Re: Beverley environmental assessments update – Stage 4 works

The Environment Protection Authority (EPA) is writing to provide you with an update for work that was completed in the second half of 2016 and is planned for the first half of 2017. The EPA has been assessing groundwater and soil vapour in Beverley for historically used chemicals including trichloroethene (TCE) since 2015.

Work undertaken to ensure properties above the highest concentrations of TCE are safe

In the second half of 2016, assessment work was focussed on sampling indoor air at properties where TCE concentrations were predicted to be in the 'Intervention' range of the *Indoor air level response range (TCE)* - please see attached for more information.

Properties with indoor air readings in this range were offered a pilot vapour intrusion mitigation system to reduce the amount of TCE inside their homes. Two systems were installed under this programme and have proved effective in reducing the indoor air concentrations to 'safe' levels (below $2\mu\text{g}/\text{m}^3$).

The EPA has completed work near properties where the highest concentrations of TCE were found in the groundwater and soil vapour. Further assessment work at these properties is proposed for the purpose of confirming the results predicted by the computer model.

Further assessment works being undertaken in 2017

A site contamination consultant engaged by the EPA will soon commence testing at up to 48 properties, approximately 20 of which have been tested previously. Testing is planned during March 2017 and July 2017 with the intention of monitoring the soil vapour for seasonal variation. Individual property owners will be contacted to obtain permission to undertake the work and participation is voluntary.

These works will commence during March 2017, and are not expected to generate significant noise. You can expect to see specialised equipment such as a four wheel drive mounted drill rig and additional vehicle movements associated with these works. Traffic management plans will be in place to protect the safety of workers on the road verge.

The EPA has previously written to home owners to advise of the predicted results for their properties. If you are unsure or are receiving correspondence for the first time, please contact

the EPA on the number below if you have any queries or concerns. Additional information is available on the EPA website www.epa.sa.gov.au (follow the links to Site Contamination/Assessment Areas/Beverley).

The EPA is continuing to undertake work to identify the organisation(s) that caused the contamination. From the 2016 work, the EPA has identified possible additional sources of contamination. As a result, the EPA has revised its assessment area to delineate the extent of the contaminated groundwater plume and it now includes the possible additional sources. A map of the revised assessment area is included with this letter for your information.

As per previous advice, please do not use groundwater (bore water) for any purpose.

Mains water and water from rainwater tanks are not affected. Home grown fruit and vegetables not affected by this issue and are safe to consume provided they are not watered with contaminated groundwater.

The EPA established the Beverley Community Working Group (CWG) as one of its key information sharing mechanisms with the community throughout the assessment program. The focus and content of meetings are regularly refined to suit members and we are always welcoming new members.

If you would like to join the working group or if you have any queries or concerns at all about the content of this letter, please do not hesitate to contact the EPA's Site Contamination Branch on 1800 729 175 or email EPASiteContam@sa.gov.au.

Yours sincerely



Andrew Pruszinski

MANAGER SITE CONTAMINATION

ENVIRONMENT PROTECTION AUTHORITY

Date: 16 March 2017

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

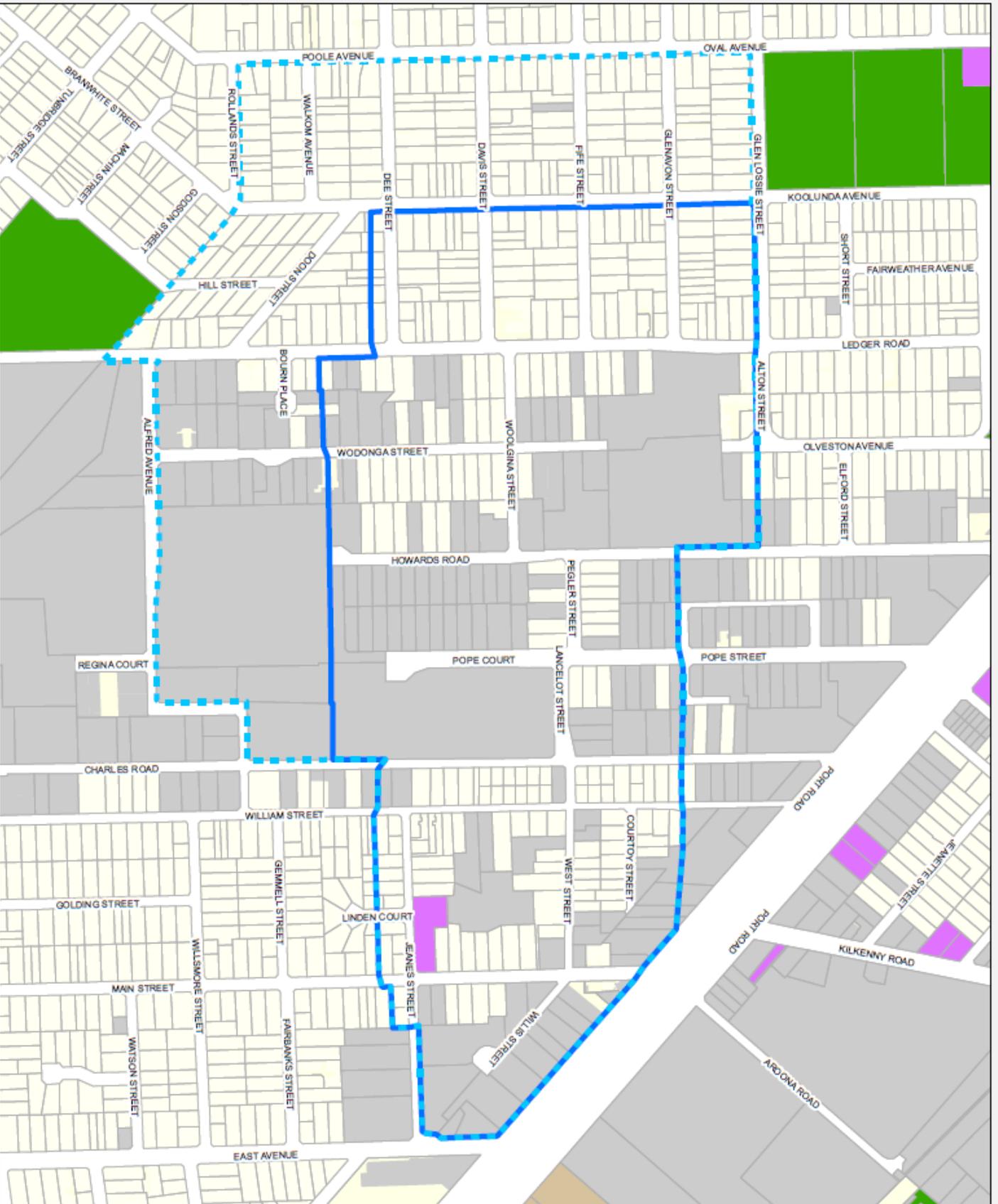
There may be a health risk
Immediately look at next steps and further assessment



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 EPA Assessment Area

- Residential
- Commercial, Industry or Vacant
- Parks and Reserves
- Education
- Public Institution
- Previous EPA Assessment Area 2016
- Proposed EPA Assessment Area 2017



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