

TO THE RESIDENT

Dear resident

Re: Thebarton environmental assessment results

The Environment Protection Authority (EPA) has been assessing groundwater and soil vapour in Thebarton for historically used chemicals including trichloroethene (TCE), since May 2017.

Further to my letter of 6 October 2017, the EPA has now completed the first stage of a groundwater and soil vapour assessment in Thebarton. This work was undertaken to delineate the extent of the contaminated groundwater and soil vapour plumes and to determine if a risk to residents exists as a result of the soil vapour contamination.

The extent of the groundwater contamination has generally been determined across the Thebarton assessment area. However, further work is required in the north-west, as can be seen in the map overleaf. The vapour intrusion risk assessment, predicted by computer modelling, indicates that indoor air concentrations of TCE across the majority of residential properties in the Thebarton assessment area are safe. There is a greater risk of vapour intrusion if a house has a liveable basement or cellar - please contact us if your home has a basement. The EPA has already been in contact with a small number of affected residents separately to undertake testing of indoor air and subfloor.

The EPA will continue assessment work to identify the extent of the contamination and undertake any other work in the first half of 2018. The EPA is holding another community information session on **Monday 27th November 2017** and an invite to this session is included with this letter. A full copy of the report is available on the EPA website along with further Thebarton information, including FAQs, maps and correspondence. Please visit www.epa.sa.gov.au and follow the links to *Site contamination*, then *Assessment Areas*.

Groundwater in this area is contaminated and should not be used for any purpose, as per our previous advice. Mains water and water from rainwater tanks are not affected by this issue. Home grown fruit and vegetables are safe to consume, provided they are not watered with bore water.

If you have any further questions please phone 1800 729 175 or email engage.epa@sa.gov.au.

Yours sincerely



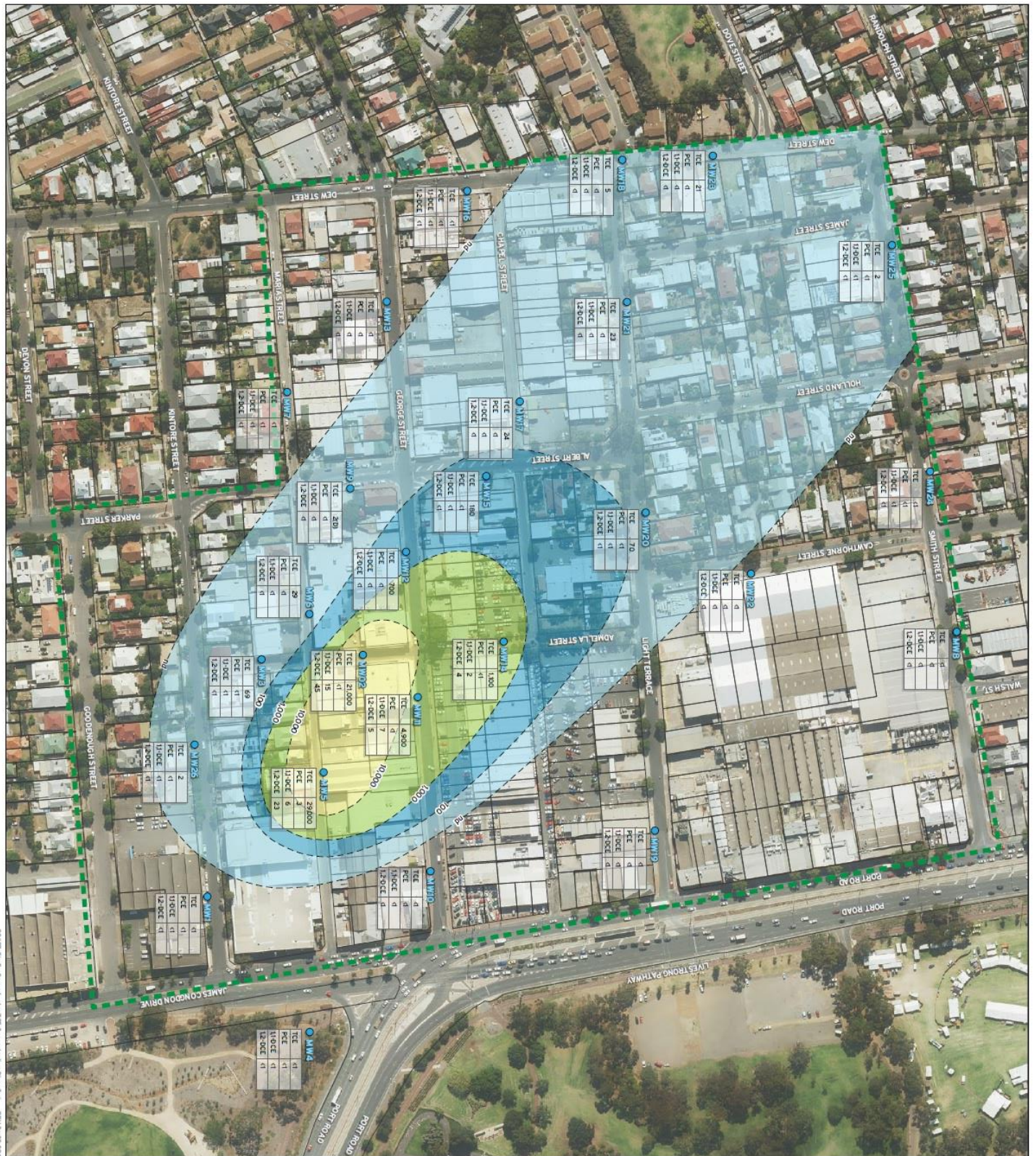
Peter Dolan
DIRECTOR REGULATION
ENVIRONMENT PROTECTION AUTHORITY

Date: 13 November 2017

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

لتقديم طلب باللغة العربية لصورة من هذه الرسالة الرجاء الاتصال على الرقم 13 14 50

FIGURE 5: GROUNDWATER CONCENTRATION PLAN



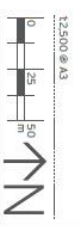
LEGEND

- GROUNDWATER MONITORING WELL
- 100- INTERFERED TCE GROUNDWATER CONCENTRATION COUNTS
- EPA ASSESSMENT AREA
- CADASTRE

TCE CONCENTRATIONS (µg/L)

- nd to <100
- 100 to <1000
- 1000 to <10000
- 10000 to 29,000
- nd = non-detect (N)

Notes:
 This is one interpretation only. Other interpretations possible.
 All concentrations are in µg/L.
 1,2-DCE includes cis and trans
 D = Duplicate result



CLIENT
 SA EPA
 PROJECT
 EPA THEBARTON ASSESSMENT
 AREA - STAGE 1

FIGURE 5:
 GROUNDWATER
 CONCENTRATION PLAN
 PROJECT NO. 80607-1
 DATE CREATED 28.09.17



80607-1g-5 - Groundwater TCE Concentration Plan (2A) REV 23/08/2017