



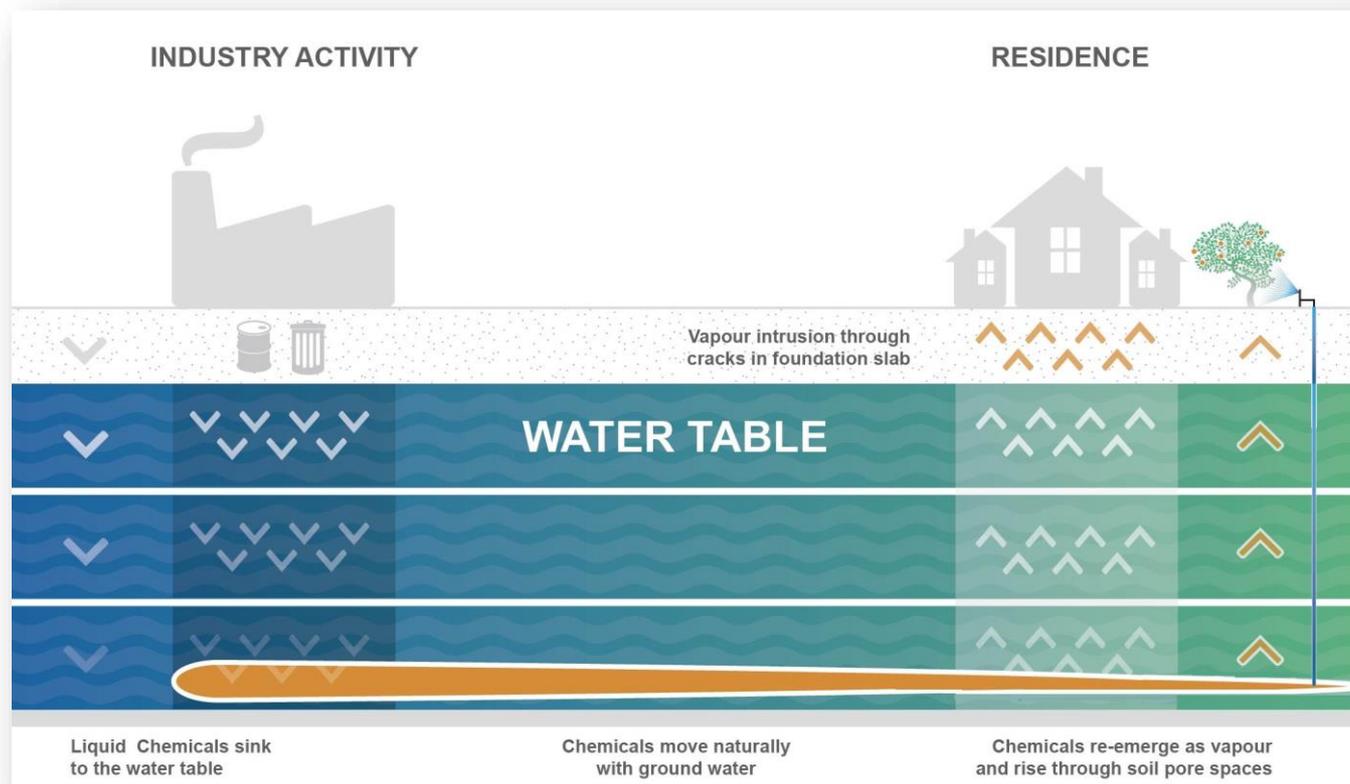
► BRIGHTON ENVIRONMENTAL ASSESSMENT

Community information

Issued 19 February 2018

The Environment Protection Authority (EPA) will commence environmental assessment work in March 2018, in the area bounded by Brighton Road, Jetty Road and the Seaford Railway Line at Brighton.

Industrial chemical disposal and handling practices that were considered appropriate decades ago are no longer acceptable by today's environmental standards. Certain chemicals found in groundwater can cause health problems if people are exposed to high enough concentrations over long periods of time.



Historical activities in Brighton

The EPA has been notified of site contamination from [tetrachloroethene](#) that was discovered during the preparation of a commercial site for redevelopment. Tetrachloroethene, also known as tetrachloroethylene or perchloroethene (PCE), is a colourless liquid industrial chemical that is widely used for metal cleaning and for dry cleaning fabrics. In the environment PCE breaks down rapidly in air and surface water but much more slowly in soil and groundwater.

Schedule of work

If sufficient concentrations are present in soil or groundwater, PCE vapours can rise up through the soil, building foundations and underground service infrastructure and contaminate the indoor air.

The EPA is undertaking work to determine the nature and extent of the soil vapour contamination. This work will determine whether there is any risk to human health. The EPA will gather data to understand the composition of the vapour, and whether any additional assessment work is required.

Works are being undertaken in road verges and not on private properties or driveways.

The installation of 20 temporary bores containing soil vapour samplers will commence in March 2018 and will remain underground for approximately 7-10 days.

The bores will be installed with a hand auger (or a small drilling rig) and covered with a temporary plastic or metal lid. The drilling and installation will take around 45 minutes at each location. The sampler once removed is sent to a specialist laboratory and the bore refilled with soil.

Results are expected to be received and communicated to residents in early May 2018.



Staff from the EPA are available to talk to you at any time if you have any queries about this work.

A community information session will be held:

**Monday 26 February
4:30-7:30pm
Please 'drop in' anytime**

**Brighton Bowling Club
11-13 Keelara St,
Brighton**

What happens if vapour intrusion is discovered?

When volatile chemicals are discovered in the air spaces between soil particles as vapour, work is required to determine whether there is a potential risk to human health. If significant vapour intrusion is found to be occurring, a ventilation system can be installed.

Please do not use bore water

Ground water (bore water) in this area is contaminated and should not be used for any purpose. All bores should be tested regularly.

Home grown vegetables are safe to eat

Groundwater contamination generally does not affect the soil above it – unless it is a source site. Soil, rainwater, and mains water are not affected. Home grown vegetables are safe to consume, provided you are not watering them with bore water.

FURTHER INFORMATION

For **further information** please contact: Site Contamination Branch
Environment Protection Authority
GPO Box 2607, Adelaide SA 5001 Telephone: (08) 8204 2004
Email: engage.epa@sa.gov.au
Website: www.epa.sa.gov.au
(Follow the link to Site Contamination then to Assessment Areas to find the Brighton page.)

For **health related information** please contact:
Scientific Services Branch
Public Health Services, SA Health
11 Hindmarsh Square, Adelaide SA 5000
Telephone: (08) 8226 7100
Email: public.health@health.sa.gov.au
Website: www.sahealth.sa.gov.au

