

## **RR1100 – Evaluation of the DRIFT gas dispersion model version 3.6.4**

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The Health and Safety Executive (HSE) uses gas dispersion modelling in its assessment of the hazards and risks posed by toxic and flammable substances stored at major hazards sites. To update its dispersion modelling capability, HSE recently commissioned ESR Technology to develop a new version of the gas dispersion model DRIFT (Dispersion of Releases Involving Flammables or Toxics). The new version of the model, DRIFT Version 3 (DRIFT 3), includes a significant number of modelling enhancements over the version of DRIFT previously used within HSE (DRIFT 2.31). These include the extension of the model to treat buoyant plumes and time varying releases. Prior to DRIFT 3 being adopted for use by HSE, it must undergo thorough evaluation and assessment.

This report describes the evaluation of DRIFT version 3.6.4 in accordance with a Model Evaluation Protocol originally developed for the evaluation of liquefied natural gas (LNG) vapour dispersion models. The protocol sets out a

method of scientific assessment, verification and validation for heavy gas dispersion models where the results are recorded in a model evaluation report (MER). Overall, the evaluation exercise found DRIFT version 3.6.4 to be fit for purpose.

Assistance in the use of Adobe Acrobat PDF files is available on our [FAQs](#) page.

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## Weekly Road Report – West End Ward



**DUNDEE CITY COUNCIL – WEEKLY ROAD REPORT**

### **REPORT FOR WEST END WARD WEEK COMMENCING MONDAY 6 MARCH 2017**

Perth Road (at Arnhall Drive) – temporary traffic lights for 3 weeks for gas main renewal.

Blackness Road (at Rosefield Street) – temporary traffic lights for one week for Scottish Water mains renewal.

Nethergate (West Marketgait to South Tay Street) – closed for 2 weeks for carriageway resurfacing works.

SSE Glenagnes Cable Renewal – Lochee Road lane restrictions and closures on Blinshall Street, Fleuchar Street and Scott Street from Monday 6 March for 5 months.

Nethergate (at West Marketgait) – closed off-peak (9.30 – 3.30pm) on Thursday 9 and Friday 10 March for cycling works.

Perth Road (at Springfield) – temporary traffic lights for 2 weeks for footway works.

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## [Deep-sea robot sets new underwater gliding depth record](#)

China's domestic underwater glider reached a depth of 6,329 meters during a mission in the Mariana Trench, breaking the previous record of 6,000 meters held by a U.S. vessel, according to the Chinese Academy of Sciences (CAS).

Codenamed Haiyi, which means sea wings in Chinese, the underwater glider was developed by the Shenyang Institute of Automation under CAS, and is used to monitor the deep-sea environment in vast areas.

The Haiyi, carried by deep-sea submersible mother ship Tansuo-1, dived down 12 times and traveled over 130 kilometers during its four-day mission, collecting high-resolution data for scientific research.

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## [Tour bus accident in Taiwan injures 4](#)

A tour bus lost control and ran into a house in Taiwan, injuring the driver and three passengers.

The bus was carrying 23 tourists from the Chinese mainland and a guide when the accident happened in New Taipei City at about 10 a.m. Monday, according to local fire-fighting authorities.

The driver lost consciousness in the accident and was sent to a hospital for treatment. Three mainland tourists suffered minor injuries.

The tour group will carry on its journey in Taiwan and is scheduled to leave the island on Sunday.

The cause of the accident is under investigation.