

Accepted Manuscript

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PII: S0304-3894(17)30621-0
DOI: <http://dx.doi.org/10.1016/j.jhazmat.2017.08.029>
Reference: HAZMAT 18794

To appear in: *Journal of Hazardous Materials*

Received date: 11-2-2017
Revised date: 31-7-2017
Accepted date: 12-8-2017

Please cite this article as: Seolin Shin, Gunhak Lee, Usama Ahmed, Yongkyu Lee, Jonggeol Na, Chonghun Han, Risk-based underground pipeline safety management considering corrosion effect, Journal of Hazardous Materials <http://dx.doi.org/10.1016/j.jhazmat.2017.08.029>

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Risk-based underground pipeline safety management considering corrosion effect

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Highlights

- A risk-based underground pipeline safety management is devised.
- Corrosion is reflected in risk management quantitatively.
- Corrosion is predicted based on indirect assessment; DCVG and CIPS.
- Sensitivity analysis is conducted on variables, which affect the risk of underground pipeline.

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