

Incident INCI031937 for Knockharley Landfill Licence (W0146-04)

Notification No: INCI031937

Submitted: 08/01/2026 10:39

Licensee Details

Organisation:

Knockharley Landfill Limited

Licence Name:

Knockharley Landfill

Reg No:

W0146-04

Site Address:

Knockharley, Navan, (Includes Townlands of Tuitearath & Flemingstown), Meath, C15 FX09

Notifier Details

Name:

Siobhan kelly

Address:

Millenium Business Park Grange, Dublin, Ireland

Phone:

Email:

siobhan.kelly@panda.ie

Details

Description of Incident:

Trigger levels reached on relation to carbon dioxide at the following locations on the 23.01.2025: LG01 3.20%, LG02 3.9%, LG03 6.8%, LG04 4.4%, LG05 1.9 2.1%, LG06 2%, LG09 3.1%, LG12 2.6%, LG15 1.8%, LG16 1.5%, LG20 2.2%, LG23 2.3%, LG24 3.6%, LG33 2.8% LG34 2.7%, LG37 3.6%, LG41 4.1%, LG42 2.5%, LG43 6.4%, LG46 2.3%, LG47 2%, LG50 2.9%, LG52 7.7%, LG53 2.5%, LG54 3.3%, LG55 3.4% AND LG56 2%

There were no Methane Trigger levels reached in this monitoring event.

Incident Category:

Category 1

Approximate Start of Incident:

01/01/2026 00:00

First Noticed:

01/01/2026 00:00

Still Ongoing:

Yes

New or Recurring Incident:

Recurring

Incident Nature:

Trigger Level Reached

Impact of Incident on Environment:

None, This regular incidence of high concentrations of naturally occurring carbon dioxide is caused by the in-situ subsoil's located throughout the site. Studies have shown high concentrations of carbon dioxide can occur naturally at shallow depth up to 2m due to microbiological activity associated with the roots of many types of vegetation, providing concentrations of up to 7% by volume in certain soils such as the silty clay which underlie the site. Monitoring of Perimeter Wells in November 2004, prior to waste deposition, confirmed elevated naturally occurring concentrations of carbon dioxide in the subsoil's

Uncontrolled Release to Receptors:

Ground

Details of any Vulnerable Receptors:

Likely Cause:

Adverse Weather

Incident Location

Licensed Discharge Point: No

Location Description: Trigger levels reached on relation to carbon dioxide at the following locations on the 23.01.2025: LG01 3.20%, LG02 3.9%, LG03 6.8%, LG04 4.4%, LG05 1.9 2.1%, LG06 2%, LG09 3.1%, LG12 2.6%, LG15 1.8%, LG16 1.5%, LG20 2.2%, LG23 2.3%, LG24 3.6%, LG33 2.8% LG34 2.7%, LG37 3.6%, LG41 4.1%, LG42 2.5%, LG43 6.4%, LG46 2.3%, LG47 2%, LG50 2.9%, LG52 7.7%, LG53 2.5%, LG54 3.3%, LG55 3.4% AND LG56 2%

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Emission Parameter Results

Communication

EPA Informed by Telephone: No

EPA Informed Date:

EPA Informed Staff Member:

EPA Informed Contact Details:

Other Communications:

Additional Details

Activity in Process at time of incident:

Normal activitied

Corrective Actions Taken:

Action	Name	Date
Updates shall be provided in the "notes" section of the incident and will list all relevant monitoring points and the updated results for each relevant point, where a trigger level is noted in relation to Carbon Dioxide or Methane level has been detected in monthly monitoring events		08/01/2026 00:00

Preventive Actions to be Taken:

Action	Target Date
Continue to monitor on a monthly basis as per license requirements.	31/01/2026 00:00

Likelihood of Recurrence: High

Other Relevant Information