

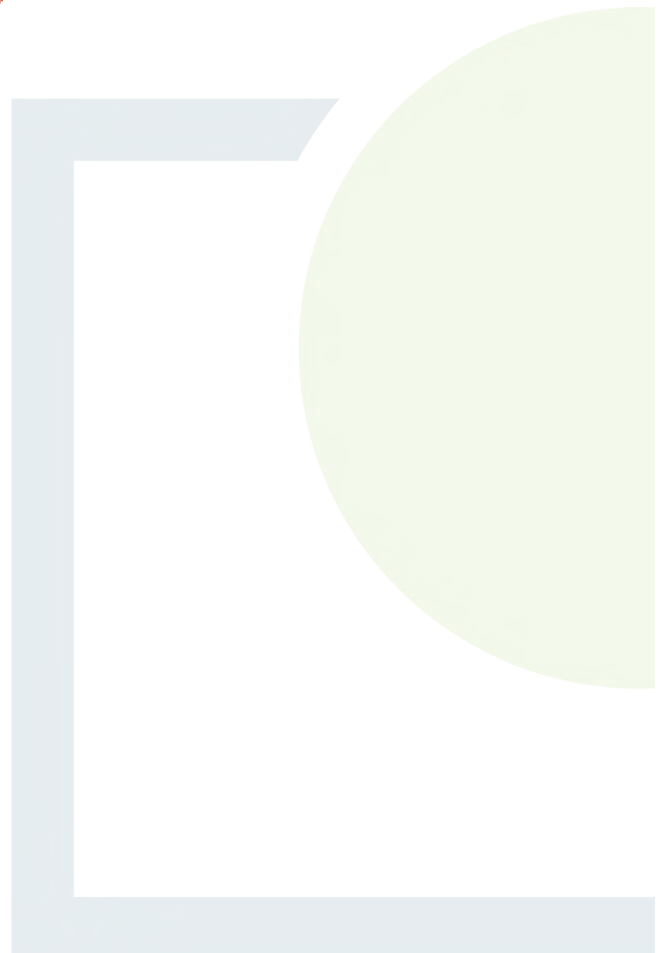


CONSULTANTS IN ENGINEERING,
ENVIRONMENTAL SCIENCE & PLANNING

APPENDIX 2

Site Walkover Checklist and
Photographic Log

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PHOTOGRAPHIC LOG



Client Name:
Galway Co. Co.

Site Location: Tuam Historic Landfill

Project Number: P2282

Photo No.
1

Date:
20-05-20

Description:

Evidence of possible leaching or seepage to localized flat area.



Photo No.
2

Date:
20-05-20

Description:

Heavy Poaching of Landfill Capping.



PHOTOGRAPHIC LOG



Client Name:
Galway Co. Co.

Site Location: Tuam Landfill

Project Number: P2282

Photo No.
3

Date:
04-03-18

Description:

Leachate monitoring point to top of landfill



Photo No.
4

Date:
20-05-20

Description:

View looking North West from top of site, Western side.



PHOTOGRAPHIC LOG



Client Name:
Galway Co. Co.

Site Location: Tuam Landfill

Project Number: P2282

Photo No.

Date:

5

26-06-18

Description:

Surface water drain to landfill boundary, site fencing



Photo No.

Date:

6

20-05-20

Description:

Evidence of slippage/erosion of landfill capping to side slopes, exposed geocomposite clay liner, evidence of animal damage and poaching



PHOTOGRAPHIC LOG



Client Name:
Galway Co. Co.

Site Location: Tuam Landfill

Project Number: P2282

Photo No.
7

Date:
20-05-20

Description:

Leachate monitoring infrastructure (heavily corroded)



Photo No.
8

Date:
20-05-20

Description:

Further expose G.C.L. to side slopes



PHOTOGRAPHIC LOG



Client Name:
Galway Co. Co.

Site Location: Tuam Landfill

Project Number: P2282

Photo No.
9

Date:
20-05-20

Description:

Surface water stream/bog drain, Flow to South West, linked to landfill surface water drains



Photo No.
10

Date:
20-05-20

Description:

Groundwater monitoring infrastructure, offsite.



PHOTOGRAPHIC LOG



Client Name:
Galway Co. Co.

Site Location: Tuam Landfill

Project Number: P2282

Photo No.
11

Date:
20-05-20

Description:

Groundwater monitoring boreholes at entrance to civic amenity



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Photo No.
12

Date:
20-05-20

Description:

Groundwater monitoring boreholes



Walkover Survey Checklist

Tuam Historic Landfill Co. Kilkenny

| Walkover Survey Checklist | | |
|---|---------|---|
| Information | Checked | Comment (include distances from Site Boundary) |
| 1. What is the current land use? | ✓ | Historic landfill site with associated civic amenity site operated by third party |
| 2. What are the neighbouring land uses? | ✓ | Civic amenity site to east, drained agricultural lands North and south, bog land to west. |
| 3. What is the size of the site? | ✓ | 3.0 ha approx. inc. CA site ex. entrance |
| 4. What is the topography? | ✓ | Surrounding area is generally flat, the main landfill unnatural elevated above surrounds. |
| 5. Are there potential receptors (if yes, give details)? | ✓ | |
| Houses | ✓ | Approx. 450m North to closest residential dwelling, CA welfare facility onsite |
| Surface water features (if yes, distance and direction of flow)? | ✓ | Constructed land drains to base of slopes |
| Any wetland or protected areas? | ✓ | |
| Public water supplies? | ✓ | Unknown |
| Private wells? | ✓ | No evidence |
| Services? | ✓ | Overhead electrical services in field to south, site drains |
| Other buildings? | ✓ | Civic amenity welfare building and outbuildings |
| Other? | | |
| 6. Are there any potential sources of contamination (if yes, give details)? | | |
| Surface waste (if yes, what type)? | ✓ | No evidence |

Walkover Survey Checklist

Tuam Historic Landfill Co. Kilkenny

| Walkover Survey Checklist | | |
|---|---------|---|
| Information | Checked | Comment (include distances from Site Boundary) |
| Surface ponding of leachate | ✓ | Minor evidence of oxidation (no free water/leachate) to poorly drained/flat area on the landfill capping |
| Leachate seepage | ✓ | See above |
| Landfill gas odours | ✓ | None noted |
| | | |
| 7. Are there any outfalls to surface water? (If yes, are there discharges and what is the nature of the discharge?) | ✓ | No direct discharge noted |
| 8. Are there any signs of impact on the environment? (if yes, take photographic evidence) | ✓ | None noted |
| Vegetation die off, bare ground | ✓ | No |
| Leachate seepages | ✓ | Minor evidence of oxidation (no free water/leachate) to poorly drained/flat area on the landfill capping |
| Odours | ✓ | No |
| Litter | ✓ | No |
| Gas bubbling through water | ✓ | No |
| Signs of settlement | ✓ | Area of poaching issues shallow GCL on side slopes of landfill |
| Subsidence, water logged areas | ✓ | Discrete areas noted on landfill capping |
| Drainage or hydraulic issues | ✓ | Generally, poorly drained due to flat nature and surrounding bog land, standing water noted |
| Downstream water quality appears poorer than upstream water quality | ✓ | No perceptible visual deterioration |
| | | |
| 9. Are there any indications of remedial measures? (Provide details) | | |
| Capping | ✓ | Site capped with soil and GCL, GCL visible in areas due to erosion/poaching by animals. Very shallow soil/topsoil layer to GCL. |

Walkover Survey Checklist

Tuam Historic Landfill Co. Kilkenny

| Walkover Survey Checklist | | |
|--|---------|---|
| Information | Checked | Comment (include distances from Site Boundary) |
| Landfill gas collection | ✓ | Sampling points noted on drawings, one location found, derelict. |
| Leachate collection | ✓ | No |
| | | |
| 10. Describe fences and security features (if any) | ✓ | Site fenced along access road, fence in poor repair, agricultural fencing to main site boundary, internal palisade style fencing of civic amenity generally good condition. |
| | | |
| Any other relevant information? | ✓ | Evidence of remediation and other works noted about including groundwater sampling locations. |

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